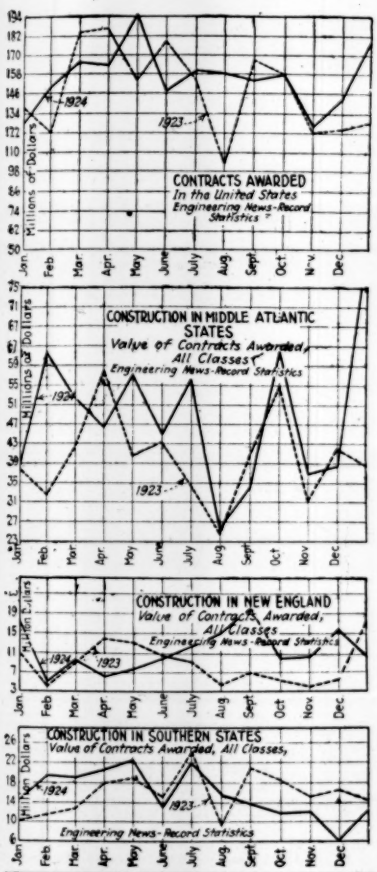
CONSTRUCTION NEWS

Engineering News-Record, February 19, 1925

The Construction Barometer

Developments in the Present Industrial Situation Indicate Healthy Activity for at Least First Half of Current Year

REASON for confidence in the general industrial outlook and in that for construction particularly, may be found in the following current developments: Steady increase in money value of contracts let since Jan. 1, in all sections of the country except New England and the Middle West; heavier volume than a year ago in the Middle Atlantic states and west of the Mississippi; unfilled orders on books of the U. S. Steel Corp., Jan. 31, heavier than at any time since August, 1923; favorable reports on advance orders in building materials for spring construction; freight loadings well above the 900,000 cars per week mark; active demand for non-ferrous metals products; substantial increase in bank debits; more extensive retail trade than at this time last year; expansion of the automotive industry; undiminished activity in the stock market; better conditions in the agricultural industry than at any time during the past four years.



Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

Value of Large Contracts Let In The United States

Week Ended	Public Work	Private Work	Total Contracts
Jan. 29	$9,194,000	$33,927,000	$43,121,000
Feb. 5	13,213,000	20,500,000	33,713,000
Feb. 12	12,609,000	25,577,000	38,186,000
3 weeks	$35,016,000	$80,004,000	$115,020,000

Large Building Contracts—Number and Value

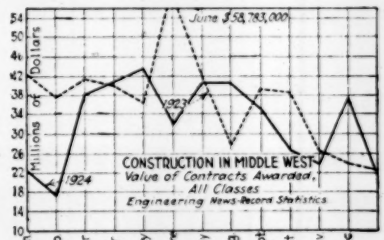
	Commercial				Industrial	
	Public		Private			
Week Ended	No.	Thousand	No.	Thousand	No.	Thousand
Jan. 29	5	$778	37	$24,384	34	$9,518
Feb. 5	11	3,525	27	17,107	18	1,539
Feb. 12	4	885	26	24,073	17	1,327
3 weeks	20	$5,188	90	$65,654	69	$12,384

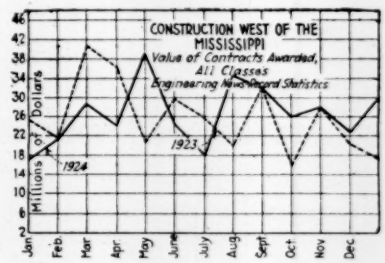
Number Of Large Jobs Now Out For Bids

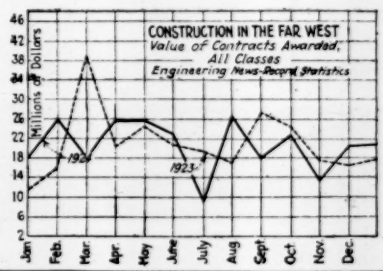
Week Ended	Private	Commercial Buildings	Streets and Roads	Waterworks and Sewers	All Public
Jan 29	27	43	31	24	144
Feb. 5	23	40	41	34	174
Feb. 12	34	49	43	42	186

Basic Materials Prices at Important Points

	Quoted on Feb. 19 at	Last Price Change Was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.20	$2.00 @2.10	Feb. 5
Cement, Chi., net bbl.	2.20	2.10	Jan. 15
Pine, N. Y., M. ft.	60.00	57.00	Jan. 15
Fir., San Fran., M. ft.	29.00	31.00	Oct. 30
Common labor, br., U.S.	.54	.55¼	Jan. 29


June $58,783,000
CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded, All Classes
Engineering News-Record Statistics
1924
1923
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded, All Classes
Engineering News-Record Statistics
1924
1923
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded, All Classes
Engineering News-Record Statistics
1924
1923
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 20	Mt. Vernon, N. Y.	Feb. 5
Feb. 20	North Tarrytown, N. Y.	Feb. 5
Feb. 20	Oneida, N. Y.	Feb. 5
Feb. 21	Pointsville, Ky.	Feb. 5
Feb. 21	Highland, Ill.	Feb. 19
Feb. 23	Pickneyville, Ill.	Feb. 19
Feb. 24	Tarrytown, N. Y. Adv. Feb. 12 and 19.	Feb. 19
Feb. 24	Sea Girt, N. J.	Feb. 19
Feb. 24	Clinton, Mass.	Jan. 22
Feb. 24	Sea Girt, N. J.	Feb. 5
Feb. 25	Fall City, Neb.	Feb. 12
Feb. 25	Mansura, La. Adv. Feb. 12 and 19.	Feb. 12
Feb. 25	Fond du Lac, Wis.	Feb. 19
Feb. 26	Manitowoc, Wis.	Feb. 19
Feb. 26	Springfield, Mass.	Feb. 12
Feb. 26	Sacramento, Calif.	Feb. 19
Feb. 27	Wauwatosa, Wis.	Feb. 19
Feb. 27	Aulander, N. C.	Feb. 19
Feb. 27	New London, Conn. Adv. Feb. 19.	Feb. 19
Mar. 2	Two Rivers, Wis.	Feb. 19
Mar. 3	Barberton, O.	Jan. 29
Mar. 3	New Brunswick, N. J.	Feb. 19
Mar. 5	Covington, Ky. Adv. Feb. 19.	Feb. 19
Mar. 5	Ambridge, Pa. Adv. Feb. 19.	Feb. 19
Mar 5	Quinton, Okla.	Feb. 19
Mar. 10	Ormond, Fla.	Feb. 19
Mar. 10	Piqua, O. Adv. Feb. 12 and 19.	Feb. 12
Mar. 16	New York, N. Y.	Feb. 5
Mar. 17	Kansas City, Mo. Adv. Feb. 19.	Feb. 19
Mar. 18	Kansas City, Mo. Adv. Feb. 19.	Feb. 19
Mar. 19	Kansas City, Mo. Adv. Feb. 19.	Feb. 19
Mar. 20	Kansas City, Mo. Adv. Feb. 19.	Feb. 19
Mar. 21	Kansas City, Mo. Adv. Feb. 19.	Feb. 19
Mar. 23	St. Augustine, Fla. Adv. Feb. 19.	Feb. 19

Bids Close		See Eng. News-Record
SEWERS		
Feb. 21	Highland, Ill.	Feb. 19
Feb. 23	Harvey, Ill.	Feb. 19
Feb. 25	Long Island City, N. Y.	Feb. 19
Feb. 25	Baltimore, Md.	Feb. 19
Feb. 26	Wash., D. C.	Feb. 19
Feb. 27	Aulander, N. C.	Feb. 19
Mar. 2	Elgin, Ill. Adv. Feb. 5 to 19.	Feb. 5
Mar. 5	Rogers, Ark.	Feb. 19
Mar. 5	Westerville, O. Adv. Feb. 12 and 19.	Feb. 12
Mar. 6	Richmond, Va. Adv. Feb. 19.	Feb. 19
Mar. 9	Decatur, Ill.	Feb. 12
Mar. 9	Madison, S. D.	Feb. 19
Mar. 10	Urbana, Ill.	Feb. 12
Mar. 10	Lakeland, Fla. Adv. Feb. 19.	Feb. 19
Mar. 18	Elizabeth City, N. C. Adv. Feb. 19.	Feb. 19
BRIDGES		
Feb. 24	Oklahoma	Feb. 19
Feb. 25	Alabama	Feb. 19
Feb. 27	Lancaster, Pa.	Feb. 12
Feb. 28	Missouri	Feb. 19
Mar. 2	California	Feb. 19
Mar. 2	Vero, Fla.	Feb. 19
Mar. 4	Allenhurst, N. J. Adv. Feb. 12 and 19.	Feb. 12
Mar. 4	Matawan, N. J. Adv. Feb. 12 and 19.	Feb. 19
Mar. 5	Charleston, S. C. Adv. Feb. 12 and 19.	Feb. 12
Mar. 10	Winnsboro, S. C.	Feb. 19
Mar. 10	Williamsport, Pa.	Feb. 19
Mar. 11	Brushvale, Minn.	Feb. 19
Mar. 23	St. Augustine, Fla. Adv. Feb. 19.	Feb. 19
DAM		
Feb. 26	Westminster, B. C.	Feb. 5
EXCAVATION, DRAINAGE IRRIGATION, LEVEES		
Feb. 24	Trenton, N. J.	Feb. 19
Feb. 25	Glasgow, Mo.	Feb. 19
Feb. 27	Madison, Wis.	Feb. 19
Mar. 2	Ithaca, N. Y.	Feb. 5
STREETS AND ROADS		
Feb. 23	Kansas City, Kan.	Feb. 5
Feb. 23	Osakis, Minn.	Feb. 19
Feb. 23	Nortonville, Kan.	Feb. 19
Feb. 24	Oklahoma City, Okla.	Feb. 19
Feb. 24	Boston, Mass.	Feb. 19
Feb. 24	St. Louis, Mo.	Feb. 19
Feb. 24	Louisiana	Feb. 19
Feb. 24	Peru, Ind.	Jan. 22
Feb. 24	Urbana, Ill.	Jan. 29
Feb. 24	Louisiana	Feb. 5
Feb. 24	Juneau, Wis.	Feb. 12
Feb. 24	San Diego, Calif.	Feb. 12
Feb. 24	Oshkosh, Wis.	Feb. 19
Feb. 25	St. George, N. Y.	Feb. 19
Feb. 25	Florence, S. C.	Feb. 19
Feb. 25	Pearsall, Tex.	Feb. 5
Feb. 25	Kernersville, N. C.	Jan. 29
Feb. 25	Cleveland, O.	Feb. 19
Feb. 25	Cleveland Heights (Warrensville P. O.), O	Feb. 19
Feb. 25	Duluth, Minn.	Feb. 19
Feb. 25	Brooklyn, N. Y.	Feb. 19
Feb. 26	Kenosha, Wis.	Jan. 29
Feb. 27	Pennsylvania Adv. Feb. 5 to 19.	Feb. 5
Feb. 27	Greenburg, Pa.	Feb. 12
Feb. 28	Missouri	Feb. 19
Mar. 1	New Philadelphia, O.	Feb. 5
Mar. 2	Kalama, Wash.	Feb. 12
Mar. 2	New Jersey Adv. Feb. 12 and 19.	Feb. 12
Mar. 2	California	Feb. 19
Mar. 2	Wilburton, Okla.	Feb. 19
Mar. 2	Wichita, Kan.	Feb. 19
Mar. 3	Greenville, S. C.	Feb. 19
Mar. 3	Clinton, Okla.	Feb. 19
Mar. 3	Lewisburg, W. Va. Adv. E. N.-R. Feb. 19.	Feb. 19
Mar. 3	Ocala, Fla.	Feb. 19
Mar. 3	St. Louis, Mo.	Feb. 5
Mar. 3	Wash., D. C.	Feb. 12
Mar. 3	Bluefield, W. Va. Adv. Feb. 12 and 19.	Feb. 12
Mar. 4	Mobile, Ala. Adv. Feb. 5 to 19.	Feb. 5
Mar. 4	Ebensburg, Pa.	Feb. 19
Mar. 4	Freehold, N. J. Adv. Feb. 19.	Feb. 19
Mar. 9	New Jersey Adv. Feb. 19.	Feb. 19
Mar. 10	St. Louis, Mo.	Feb. 19
Mar. 10	Clinton, Okla.	Feb. 19
Mar. 29	California	Feb. 19
Mar. 30	Duluth, Minn.	Feb. 12
Apr. 1	Birmingham, Ala.	Feb. 19
Apr. 1	Tuscaloosa, Ala.	Feb. 19
Feb. 20	Coney Island (Sta. Brooklyn), N. Y.	Feb. 12
Feb. 21	East Concord, N. Y.	Feb. 19
Feb. 24	Baltimore, Md.	Feb. 19

Bids Close		See Eng. News-Record
BUILDINGS—INDUSTRIAL		
Feb. 26	Morganza, Pa.	Feb. 19
Feb. 27	Corona (Sta. Flushing), N. Y.	Feb. 19
Mar. 1	Youngstown, O.	Jan. 15
BUILDINGS—COMMERCIAL		
Feb. 20	Phila., Pa.	Feb. 5
Feb. 20	Germantown (Phila. P. O.), Pa.	Feb. 5
Feb. 20	Detroit, Mich.	Feb. 12
Feb. 20	Westfield, Mass.	Feb. 19
Feb. 21	Greenville, Pa.	Feb. 19
Feb. 21	New Jersey	Feb. 5
Feb. 21	San Antonio, Tex.	Feb. 12
Feb. 21	Phila., Pa.	Feb. 19
Feb. 23	Jacksonville, Fla.	Feb. 12
Feb. 23	Royal Oak (Detroit P. O.), Mich.	Feb. 19
Feb. 23	Detroit, Mich.	Feb. 19
Feb. 24	Willimantic, Conn.	Feb. 19
Feb. 24	Hartford, Conn.	Feb. 19
Feb. 25	Lancaster, O.	Feb. 19
Feb. 25	Los Angeles, Calif.	Feb. 19
Feb. 25	Milwaukee, Wis.	Feb. 19
Feb. 25	Millvale, Pa.	Feb. 19
Feb. 25	Petrolia, Ont.	Feb. 12
Feb. 25	Baltimore, Md.	Feb. 19
Feb. 25	Bridgeport, Conn.	Feb. 19
Feb. 26	Pittsburgh, Pa.	Feb. 19
Feb. 26	Rhinelander, Wis.	Feb. 5
Feb. 26	Omaha, Neb.	Feb. 12
Feb. 26	Phila., Pa.	Feb. 19
Feb. 26	Vinland, N. J.	Feb. 19
Feb. 27	Milwaukee, Wis.	Feb. 19
Feb. 27	Bremen, O.	Feb. 5
Feb. 27	Cleveland, O.	Feb. 12
Feb. 27	Zelionople, Pa.	Feb. 19
Feb. 28	Lancaster, Pa.	Feb. 19
Mar. 1	Denver, Colo.	Feb. 19
Mar. 2	Lewisburg, Pa.	Feb.
Mar. 2	Ft. Scott, Kan.	Feb. 19
Mar. 3	Kansas City, Mo.	Feb. 12
Mar. 4	Kings Park, N. Y. Adv. Feb. 12 and 19.	Feb. 12
Mar. 4	Baltimore, Md.	Feb. 19
Mar. 4	Woodhaven (branch Jamaica) N. Y.	Feb. 19
Mar. 5	Hudson, N. Y.	Feb. 5
Mar. 6	Fairview, O.	Feb. 19
Mar. 15	Gonzales, Tex.	Feb. 19
Mar. 17	Freeport, Ill.	Feb. 5
Mar. 20	Johnstown, Pa.	Feb. 19
Apr. 1	Zanesville, O.	Feb. 19
July 14	Phila., Pa.	Feb. 19
FEDERAL GOVERNMENT WORK		
Feb. 20	Roofings—Florence, Ala. Adv. Jan. 20 to Feb. 19.	Jan. 29
Feb. 24	Service—Memphis, Tenn.	Jan. 29
Feb. 24	Dredging, etc.—New York, N. Y. Adv. Feb. 12 and 19.	Feb. 12
Feb. 25	Alterations—Mare Island, Calif.	Feb. 5
Feb. 25	Well Houses—Annapolis, Md.	Feb. 5
Feb. 27	Towboat — Vicksburg, Miss. Adv. Jan. 29 to Feb. 19.	Jan. 29
Feb. 27	Boat Hull—Pittsburgh, Pa. Adv. Feb. 5 to 19.	Feb. 5
Feb. 27	Stone—Wilmington, Del.	Feb. 5
Feb. 28	Barges—Vicksburg, Miss.	Feb. 5
Feb. 28	Tower—New York, N. Y. Adv. Feb. 5 to 19.	Feb. 5
Mar. 2	Paving, etc.—San Diego, Calif.	Feb. 5
Mar. 2	Wire, etc.—Memphis, Tenn. Adv. Feb. 5 to 19.	Feb. 5
Mar. 2	Rope—Memphis, Tenn. Adv. Feb. 5 to 19.	Feb. 5
Mar. 2	Repairs, etc.—Baltimore, Md.	Feb. 12
Mar. 3	Storehouse—Jefferson Barracks, Mo. Adv. Feb. 5 to 19.	Feb. 5
Mar. 3	Pumping Units—Wash., D. C. Adv. Feb. 5 to 19.	Feb. 5
Mar. 5	Post Office—Parkersburg, W. Va.	Feb. 12
Mar. 6	Steel Hull—Phila., Pa.	Jan. 22
Mar. 6	Pipeline—Phila., Pa. Adv. Feb. 12 and 19.	Jan. 29
Mar. 9	Cable—Buffalo, N. Y. Adv. Feb. 19.	Feb. 19
Mar. 9	Boiler House—Phila., Pa. Adv. Feb. 19.	Feb. 19
Mar. 10	Dam—Mitchell, Neb.	Feb. 5
Mar. 12	Turbines—Denver, Col.	Feb. 5
Mar. 12	Barge—Wilmington, N. C. Adv. Feb. 12 and 19.	Feb. 12
Mar. 12	Steel Bars—Milwaukee, Wis. Adv. Feb. 12 and 19.	Feb. 12
Mar. 16	Post Office—Gilmer, Tex. Adv. Feb. 19.	Feb. 19
Mar. 17	Buildings—Great Lakes, Ill. Adv. Feb. 19.	Feb. 19
Mar. 17	Post Office—Kenton, O. Adv. Feb. 19.	Feb. 19
Mar. 20	Dredging—Providence, R. I. Adv. Feb. 19.	Feb. 19
Apr. 8	Hangers—Pearl Harbors, H. T. Adv. E. N.-R. Feb. 19.	Feb. 19
UNCLASSIFIED		
Feb. 24	Refrigeration Works, etc.—Auburn, N. Y.	Jan. 29
Feb. 24	Grade Separation—Springwells, Mich.	Feb. 12
Feb. 24	Ornamental Street Lighting System — San Gabriel, Calif.	Feb. 12
Feb. 24	Athletic Field, etc.—Scituate, Mass.	Feb. 12
Feb. 26	Wall—Fraser River, B. C.	Feb. 19
Mar. 3	Subway—Martinez, Calif.	Feb. 19
Mar. 4	Fire Alarm System—Ogdensburg, N. Y. Adv. Feb. 12 and 19.	Feb. 12
Mar. 4	Fire Sprinklers—Willard, N. Y.	Feb. 12
Mar. 5	Sanitary Works, etc.—Randalls Island (mail New York), N. Y.	Feb. 5
Mar. 11	Fire Sprinklers—Brooklyn, N. Y. Adv. Feb. 19.	Feb. 19
Mar. 17	Subway—Phila., Pa. Adv. Feb. 19.	Feb. 19
Mar. 23	Estuary Tube—Oakland, Calif.	Feb. 5
MATERIAL AND EQUIPMENT		
Feb. 20	Granite Block—Cleveland, O.	Feb. 19
Feb. 23	Road Oil—Marshfield, Wis.	Feb. 19
Feb. 23	Cement, etc.—Minneapolis, Minn.	Feb. 19
Feb. 24	Tar—Minneapolis, Minn.	Feb. 19
Feb. 24	Road Oil—Ripon, Wis.	Feb. 19
Feb. 24	Asphalt, etc.—Ottawa, Ont.	Feb. 19
Feb. 24	Road Roller — Columbia, S. C.	Feb. 19
Feb. 25	Rock Crusher with elevator—Lebanon, Tenn.	Feb. 19
Feb. 25	Lumber, etc.—New York, N. Y.	Feb. 19
Feb. 25	Road Material—Freehold, N. J. Adv. Feb. 12 and 19.	Feb. 12
Feb. 26	Oil Distributer—Minneapolis, Minn.	Feb. 19
Feb. 27	Asphalt, etc. — Hamilton, Ont. Adv. Feb. 12 and 19.	Feb. 19
Mar. 3	Bituminous Material — Virginia	Feb. 12
Mar. 3	Tractor—Winona, Minn.	Feb. 19
Mar. 3	Grader—Jamestown, N. D.	Feb. 19
Mar. 6	Road Machines, etc.—Grand Forks, N. D.	Feb. 19
Mar. 10	Dragline Machine—Greenville, Miss. Adv. Feb. 19.	Feb. 19
Apr. 1	Crane — Melbourne, Australia	Feb. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Fairmont—Plans to issue $18,000 bonds waterworks improvements.

N. C., Roseboro—Making plans waterworks. $60,000. J. B. McCreary Co., Charlotte, engrs.

N. C., Windsor — Plans to sell $100,000 bonds for new waterworks and sewers.

Fla., Ft. Lauderdale — Plans election $120,000 bonds extending waterworks. J. Lawson, city clk.

Fla., New Smyrna—Voted $70,000 bonds, extending waterworks. M. Palton, city mgr.

Fla., South Jacksonville—Election March 4, $88,000 bonds, extending water system. P. C. Marion, chn. city council.

Fla., Titusville—Election Mar. 10, $65,000 bonds, waterworks improvements in various streets. Address City Commissioners.

La., Churchpoint — Election Mar. 10, $50,000 bonds for waterworks.

La., Donaldsonville—Making plans and takes bids about Apr. 1, filtration plant, tower and tank, settling tanks, reservoir, etc. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr.

La., Kinder—Election soon $50,000 bonds for waterworks.

O., Cincinnati—Hamilton Co. plans 3,400 ft. 16 in. c.i. mains in Water Supply Line

Waterworks (Continued)

7. Dist. 1, (Silverton) Contr. 1, $22,698, and 3,650 ft. 16 in. c.i. mains in above, Contr. 2, $22,600. L. C. Boyatt, Court House, engr.

Mich., Wyandotte—Making plans extending mains incl. 30 in. main in Vine St., 20 in. main in 4th St. and Ford Ave., 12 in. main in Eureka and Ford Aves., 10 in. main in Fort St. $250,000. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., Detroit, engrs.

Ill., Niles Center—Takes bids about Mar. 1, 6- to 12-in. mains, valves, hydrants, etc. in territory adjacent to recently completed extension of Chicago Rapid Transit Co. $400,000. Consoer, Older & Quinlan, Inc., Marquette Bldg., 140 Dearborn St., Chicago, consult. engrs.

Neb., Ruskin—Election March 2, $16,100 bonds, for water system. Henningson Eng. Co., 12th St., Omaha, engrs. Noted Jan. 15.

Mo., Ash Grove—Election in April, bonds to exceed $15,000 for waterworks, tank on tower, distribution mains, etc.

Mo., Poplar Bluff—Election April 7, $150,000 bonds, water improvements, incl. filtration plant, reservoir, main extensions, etc. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, engrs. Noted Dec. 11.

Mo., Steele—Voted $38,000 bonds waterworks and distribution system. A. C. Moore, 222 West 3rd St., Joplin, engr.

Tex., Brady — Voted $100,000 bonds waterworks improvement, incl. pumping equipment, new mains, tower, tank, etc. $100,000. E. L. Jones, mayor.

Tex., Cross Plains—Voted $40,000 bonds complete waterworks. Elrod Eng. Co., 3124 Main St., Dallas, engrs.

Tex., Donna—Election Feb. 24, $50,000 bonds waterworks improvements. W. E. Whigham, mayor.

Tex., Giddings — Plans improving waterworks. $46,000. J. D. Fields, mayor.

Tex., Lometa — Plans election $42,000 bonds, drilling 2 wells for water supply and other waterworks improvements.

Tex., Mexia—R. D. Morgan, city secy., soon takes bids waterworks improvements. $40,000. Noted Feb. 12.

Tex., San Angelo—See "Sewers."

Tex., San Antonio — Purchased San Antonio Water Supply Co.'s plant for $6,500,000 and plans election about April 1, $7,000,000 bonds of which $500,000 will be for immediate improvements to plant. I. Ewig, city engr.

Okla., Lawton—Making preliminary plans new 6 m.g. rapid sand filtration plant, for city and U. S. Army post at Ft. Sill. $175,000. H. G. Olmsted, Oklahoma Bldg., Oklahoma City, engr. Noted Jan. 8.

Calif., Hemet—Making plans two 14 in. wells, pumps and motors, 3 mi. steel supply line, storage reservoir, etc. To exceed $100,000. Burns-McDonnell-Smith Eng. Co., Marsh-Strong Bldg., Los Angeles, engrs. Noted Dec. 4.

Calif., Huntington Park—Making plans 200,000 gal. elevated steel tank and tower, 100,000 gal. rein.-con. reservoir, 1 centrifugal pump and electric motor, fire hydrants, etc. $25,000 or more. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr. Noted Feb. 5.

Calif., Mayfield—Making plans placing 2 in. mains with 4 in. mains in 3 mi. various streets. C. Moser, 651 Homer Ave., Palo Alto, engr.

Calif., Redwood City — Plans election $30,000 bonds additional reservoir for water system. C. L. Dimmitt, city engr.

Calif., Tracy—See "Excavation, Drainage, Irrigation, Levees."

Que., Hull—Plans to purchase gas or oil engines and two 2 m.g. pumps. T. Lanctot, city engr.

Ont., Birchcliff—Scarboro Twp. plans two 1,000 g.p.m. 3 stage centrifugal pumps. R. Harrison, 1361 Kingston Rd., Toronto, twp. engr.

Ont., Hamilton — Plans chlorination system at pumping station. $10,000. W. L. McFaul, city engr.

Ont., Ottawa — Bd. Control soon takes bids water meters. $30,000. A. F. Macallum, city engr.

Ont., Ottawa—See "Sewers."

Ont., Toronto — Making plans extending c.i. mains in various streets. $256,400. R. C. Harris, city engr.

Ont., Toronto—Plans to expend $710,600, extending high pressure fire system in Sherbourne, Bay, Terauley, Dundas, Chestnut, Albret and James Sts. R. C. Harris, city engr.

B. C., Vancouver—Election Feb. 28, $1,250,000 bonds for new 36 in. steel mains and other works. C. Brackenridge, city engr.

BIDS DESIRED

R. I., Providence—Bd. Contract & Supply, Feb. 11, 5 mi. 60 in. c.i. mains, etc., in various streets, from C. A. Haggerty, Webster, Mass., $306,500. Noted Jan. 22.

Conn., New London—Feb. 27, at office of J. W. Sheedy, city purch. agt., Municipal Bldg., 18,900 or 26,300 ft. c.i. water pipe, etc. W. A. Holt, city mgr; adv. E. N.-R. Feb. 19.

N. Y., Tarrytown—Feb. 24, by Bd. Water Comrs. of Fairview Water Dist., at office Town Clerk of Greenburgh, 19 North Bway., Tarrytown, water supply system. Wulff Eng. Co., Natl. Bank Bldg.; adv. E. N.-R. Feb. 19.

N. J., New Brunswick—Mar. 3, by City Comn., 2,000 ft. 8 in. and 2,000 ft. 6 in. Class "B" bell and spigot pipe and special castings. A. Atkinson, city engr.

N. J., Sea Girt — Feb. 24, by Common Council, 15 tons 6 in., 5 tons 10 in. and 1 ton 4 in. B. & S. pipe, c.i. plugs, gate valves, etc. C. A. Bond, Jr., boro. clk.

Pa., Ambridge—Mar. 5, by Water Comn., Boro Bldg., Merchant and 10th Sts., for pumping equipment. D. M. Cooper, pres.; adv. E. N.-R. Feb. 19.

N. C., Aulander—Feb. 27, by L. Taylor, mayor, and Bd. Town Comrs., reservoir, 4½ mi. mains and 60 water taps with supply pipe run to curb line. R. E. White, Aulander, engr.

Fla., Ormond—Mar. 10, by D. P. Carnell, ch. Bd. City Managers, drilled wells, centrifugal pumps, water softener, pumping station, steel tank, 64,000 ft., 6- to 10-in. c.i. pipe, 25 tons fittings, 50 hydrants, 15,000 ft. 1½ in. galvanized pipe, etc. Main Eng. Co., Daytona, engrs.

Fla., St. Augustine—Mar. 23, by City, improving waterworks. J. E. Craig, 427 King St., Jacksonville, consult. engr.; adv. E. N.-R. Feb. 19.

Ky., Covington—Mar. 5, by Bd. City Comrs at Court House, watertight, circular rein.-con. dry well, 79 ft. deep and 35 ft. inside diam. J. F. Kingsley, engr.; adv. E. N.-R. Feb. 19.

Wis., Fond du Lac—Feb. 25, by Water Dept., J. Breister, supt., season's supply c.i. pipe and specials.

Wis., Manitowoc — Feb. 26, by A. H. Zander, city clk., development and delivery to water distribution system daily quantity of not less than 3 m.g. water.

Wis., Two Rivers—Mar. 2, by Bd. Pub. Wks., J. Doleysh, secy., 114 tons 6 in. Class "C" c.i. pipe, 2 tons Class "D" special castings, five 6 in. Eddy fire hydrants, twenty-six 6 in and four 4 in. valves for Water Dept.

Wis., Wauwatosa—Feb. 27, by Bd. Pub. Wks., A. V. Brigham, secy., twenty-five 5 in. fire hydrants, twenty-five 6 in., and six 8 in. gate valves.

Ill., Highland—Feb. 21, by M. D. Tibbetts, city clk., 52,774 ft. 2- to 8-in. c.i. pipe, 65 hydrants, seventy-one 2- to 8-in. valves and boxes, two 300,000 gal. units in filtration plant, incl. mixing bed, clear wells, etc., also two 700 g.p.m. motor driven centrifugal pumps, etc. $175,000. C. E. Wilson, Marion, and L. Day, 34 East Grand St., St. Louis, Mo., engrs. Noted Jan. 22.

Ill., Pinckneyville—Feb. 23 (extended date), by P. J. C. Ham, city clk., 1,400 g.p.m. centrifugal pump, 500 g.p.m. pump and motor, 2,600 g.p.m. pumps and motor and one 500 g.p.m. fire pump and gasoline engine. A. H. Beard Eng. Co., 616 Title Guaranty Bldg., St. Louis, Mo., engrs. Noted Feb. 5.

Mo., Kansas City—Mar. 17, by A. J. Stewart, purch. agt. additional water supply, Contrs. 14 and 15, Mar. 18, for Contrs. 7, 8, 9 and 10; March 19, for Contrs. 1, 2 and 6; Mar. 20, for Contrs. 11 and 13, and Mar. 21, for Contr. 12. Fuller & Maitland, engrs.; adv. E. N.-R. Feb. 19.

Tex., Corpus Christi—Taking bids waterworks improvement, incl. 3 electrically operated low service centrifugal pumps, 1,400 g.p.m. each, 3 electrically operated high service centrifugal pumps, two 1,050 and one 700 g.p.m., two 150 to 200 hp. diesel engines direct connected to generators. $100,000. N. Werenskiold, Marvin Bldg., Dallas, consult. engr. Noted Jan. 8.

Okla., Quinton—Mar. 5, by H. J. Byers, city clk., new filtration plant, elevated tank, pumps, settling basin, 130 ft. 6 in. c.i. pipe, two 150 g.p.m. pumps, etc. $22,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 15.

Calif., Sacramento — Feb. 26, by City Commissioners constructing 190 ft. concrete chamber wall, 20 ft. high, for filtration plant, 992 cu.yd. concrete, sixty-four 30 ft. concrete piles, 654 cwt. reinforcing, 50,000 lbs. structural steel. $40,000. A. J. Wagner, city engr. Noted Jan. 29.

BIDS RECEIVED

Md., Baltimore — Bd. Awards, c.i. pipe and fittings, to Water Dept., from U. S. Cast Iron Pipe Co., Burlington, N. J., $162,600; 250,000 lb. pig lead, from N. Trott Co., 36 North Front St., Phila., Pa., $24,425; 150,000 lb. lead substitute, from Lead-Hydro-Tite Co., 192 Boylston St., Boston, Mass., $17,813. Noted Feb. 5.

CONTRACTS AWARDED

N. Y., Long Island City—N. J. Hayes, comr. Water Supply Gas & Electricity, Municipal Bldg., New York City, mains in Skillman and 4th Aves., Bliss and Carolin Sts., etc., here, to J. A. Gregory, 351 East 124th St., New York City, $12,209. Noted Feb. 12.

N. Y., New York— N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Barnes, Blondell, Brady, Cromwell, Duryea, Fowler, LaSalle and Manning Aves., etc., to Norton Eng. & Contg. Co., 510 West 149th St., $17,860. Noted Feb. 12.

N. C., Siler City—Bd. Aldermen, 200,000 gal. rein.-con. reservoir, 100,000 gal. steel tank tower, sewage disposal plant, pump house and 6, 8, 10 and 12 in. c.i. and terra cotta water and sewer pipe, to J. B. McCrary, Citizens & Savings Bank Bldg., Atlanta, Ga., about $40,000.

Kan., Cuba — Waterworks, distribution system, tank on tower, reservoir, etc., to Burt & Tripp, Hutchinson, $27,493. Noted Feb. 12.

Kan., Ellsworth—For 4,700 ft. ditch, to R. E. Funk, Ellsworth; and pump house, to F. E. Sterling, Ellsworth. Engrs. est. $23,000.

Mo., Bloomfield—W. A. Humphrey, city clk., City Hall, 10,446 ft. 6 in., 12,000 ft. 4 in. and 700 ft. 2 in. c.i. mains, 18,000 lbs. specials, 27 valves and boxes, 49 hydrants, etc., to J. McNeil, Leavenworth, Kan., $25,640. Noted Jan. 29.

Mo., Salem — For 47,500 ft. 2- to 8-in. mains, hydrants, valves, drilled well, deep well pump, 250 g.p.m. triplex pump, 100,000 gal. storage reservoir, 7,500 gal. tank on tower, etc., to W. F. Plummer, Inc., Union Natl. Bank Bldg., Springfield. Noted Jan. 15.

Tex., Houston—O. F. Holcombe, mayor, 8 in. mains in Bayland Ave. from Rega St. to Norhill addition, and in Telephon Rd. from Pease Ave. to Lawndale Sts., to Youman & High, West Bldg., $16,559.

Okla., Morrison—New waterworks, incl. 14,319 ft. 4- to 8-in. c.i. pipe, deep well pump, wells, engines, tanks, valves, hydrants, etc., to H. Askins, Cushing, $25,311. Engrs. est. $27,000.

Sewers

PROPOSED WORK

Mass., Woburn — City and Metropolitan Dist. Comn. Boston, plan trunk line sewer through the Aberjona Valley. $300,000. J. R. Rablin, Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, engr. Noted Aug. 7.

N. C., Roseboro—Making plans sewerage system. $25,000. J. B. McCreary Co., Charlotte, engrs.

N. C., Windsor—See "Waterworks."

Fla, South Jacksonville — Election Mar. 4, $72,000 bonds, extending sewerage system in various streets. P. C. Marion, chn. city council.

Fla., Titusville—Election Mar. 10, $150,000 bonds, sanitary sewers in various streets. Address City Commissioners.

Ill., Deerfield—Making plans East Side and Northwest Side sewerage systems, $100,000 and $55,000 respectively. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, consult, engrs.

Ill., Jonesboro—Soon takes bids 8 and 10 in. sanitary sewers in various streets and disposal plant. $40,000. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louise, Mo., engrs.

Ill., Morris—Takes bids about Mar. 15, 4th Ward sewers. $26,000. Consoer, Older & Quinlan, Inc., Marquette Bldg., 140 South Dearborn St., Chicago, consult. engrs.

Ill., Niles Center — Takes bids about Mar. 1, 12- to 84-in. vitr. tile, precast concrete or monolithic concrete sewers in territory adjacent to recently completed extension of Chicago Rapid Transit Co. $1,100,000. Consoer, Older & Quinlan, Inc., Marquette Bldg., 140 Dearborn St., Chicago, consult. engrs.

Wis., Milwaukee—Lake Twp. Milwaukee Co. making plans 5 to 8 mi. sewers in various streets, near here. To exceed $25,000. H. C. Webster, 216 West Water St., Milwaukee, engr.

N. D., Dickinson—Plans storm sewers in various streets. $80,000. R. C. Hill, city auditor.

Ark., McGehee—Soon takes bids sanitary sewerage system, disposal plant, etc. $135,-

Sewers (Continued)

000. F. A. Pritchett, Reigler Bldg., Little Rock, engr.

Tex., Donna — Election Feb. 24, $40,000 bonds for sanitary sewers. W. E. Wigham, mayor.

Tex., Rosebud—Election Feb. 26, $38,000 bonds, sewerage system. G. W. Lehman, mayor.

Tex., San Angelo—Making plans sewerage system, incinerator, mains, etc. $60,000. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs. Noted Dec. 25.

Colo., Denver—Rejected bids 1 mi. 8, 10 and 12 in. vitr. pipe sewers, necessary manholes in Alemeda to 4th Ave., Santa Fe to Platte Sts., South Side Special Sanitary Sewer Dist. 8. $42,760. A. K. Vickery, City Hall, engr.

Calif., Chico—Plans sewerage system for Chapmantown and Barber Dists., south of Little Chico Creek. To exceed $25,000. I. Morrison, city mgr.

Calif., Davis—Making plans 4,000 lin.ft. 8 in. vitr. outfall sewer and Imhoff tank, at University Farm. $30,000. H. Foster, University of California, Berkeley, engr.

Calif., El Cerrito—Making plans 4,528 ft. 6- to 10-in. vitr. outfall sewer in Behrens St.; also approximately 8 mi. 6- to 10-in. vitr. sewer in Berkeley County Club tract. R. L. Calfee, 221 South 22nd St., Richmond, engr.

Calif., Hermosa Beach — Making plans main sewerage system, $325,000, and lateral sewerage system, $175,000. V. Staheli, city engr. Noted Feb. 5.

Calif., Santa Barbara — Making plans complete sewerage system between 25 and 30 blocks various streets. To exceed $25,000. G. D. Morrison, city engr.

Ont., Hamilton—Making plans extending 6, 8 and 10 in. sewers in Homeside Dist., by day labor, under supervision of W. L. McFaul, city engr. $55,000.

Ont., Ottawa — Bd. Control soon takes bids 9, 12 and 18 in. vitr. clay sewers and mains, etc., in Clarendon and Huron Aves., etc. $90,000. A. F. Macallum, city engr.

Ont., Toronto — East York Twp. plans 2,220 ft. 24 in. vitr. tile or concrete sewers in Paulton Ave. $45,089. G. R. Jack, Municipal Yard, Sammon Ave., engr.

Ont., Toronto—East York Twp., Municipal Yard, Sammon Ave., plans vitr. tile sewers in 680 ft. 12 in. in Cedarvale Ave. $6,067, 650 ft. 12 in. in King Edward Ave. and Delaine Rd. $5,598, 630 ft. 12 in. in Coleridge Ave. and 330 ft. 15 in. in Strathmore Blvd. $10,175, 390 ft. 12 in. and 345 ft. 15 in. in Woodbine Ave. $7,463. G. R. Jack, Municipal Yard, engr.

Ont., Toronto—York Twp., 40 Jarvis St., plans 3,395 ft. 8- to 30-in. vitr. tile and concrete sewers in Humewood Dr., Humewood Gardens, Arlington, Normanna, and Winnett Aves. $32,000. F. B. Goedike, twp. engr.

Ont., Toronto—York Twp., 40 Jarvis St., voted $85,000 bonds 9,000 ft. concrete and brick sewers in Eglinton, Chamberlain and Caledonia Aves. F. B. Goedike, twp. engr.

BIDS DESIRED

D. C., Wash. — Feb. 26, at Room 427 Dist. Bldg., 4,614 ft. sewer, 12 in. to 5 ft. 6 in. diam.

Md., Baltimore—Feb. 25, by Bd. Awards, 12,000 ft. lateral sanitary sewers in Dist. 47 E. Contr. 217. B. L. Crozier, City Hall, highways engr.

Va., Richmond — Mar. 6, at office of R. K. Compton, dir. Pub. Wks., City Hall, furnishing segment block, precast rein.-con. and terra cotta pipe, cement, brick castings and steps; also constructing segment block, terra cotta and precast rein.-con., sewers; adv. E. N.-R. Feb. 19.

N. C., Aulander—Feb. 27, by L. Taylor, mayor and Bd. Town Comrs., 4 mi. sewer lines and septic tank. R. E. White, Aulander, engr.

N. C., Elizabeth City—Mar. 18, by Utility Comn., Chamber of Commerce, three sanitary sewerage system. W. C. Olsen, Raleigh, engr.; adv. E. N.-R. Feb. 19.

Fla., Lakeland — Mar. 10, by City, for Lake Parker storm sewer, Lake Hunter, Pine St. and small storm sewers, outlet of sanitary sewers and collection system of sanitary sewers. C. C. Brown, city engr.; adv. E. N.-R. Feb. 19.

Fla., Vero—Mar. 2, by City Council, City Hall, 41,142 lin.ft. 6- to 18-in. sewer pipe, 168 ft. 6- to 18-in. c.i. pipe, 2 sewage pumping plants, etc. Carter & Damerow, Vero, engrs.

Ill., Harvey — Feb. 23, by J. A. Alten, city clk., 8,000 ft. 8- to 10-in. sewers, etc. in various streets.

Ill., Highland — Feb. 21, by B. D. Tibbetts, city clk., 43,198 ft. 6- to 15-in. vitr. clay sewers, 80 manholes, 13 drop manholes, treatment tank, etc. $115,000. C. E. Wilson, Marion, and L. Day, 34 East Grand St., St. Louis, Mo., engrs. Noted Jan. 22.

Ill., Lewiston—See "Streets and Roads."

S. D., Madison—Mar. 9, by J. W. Emberg, city aud. constructing sewage disposal plant. $25,000. Noted Oct. 16.

Ark., Rogers—March 5, by J. T. Carrol, secy. Sewer Impvt. Dist. 8, 16,100 ft. 8 and 10 in. vitr. clay pipe, 100 ft. 8 in. c.i. pipe, 36 manholes, 8 lamp holes, 2 flush tanks, 8,675 ft. 0 to 6 ft. 6,800 ft. 6 to 10 ft., 650 ft. 10 to 16 ft. trench, 1,400 cu.yd. rock and 600 cu.yd. earth excav. W. L. Winters, Merchants Natl. Bank Bldg., Garrison Ave., Ft. Smith, engr. Noted Oct. 9.

BIDS RECEIVED

R. I., Providence—Bd. Contract, Feb. 9, 125 cars sewer pipe, from Manchester & Hudson, Eddy St., Kaul clay pipe $36,000, standard at 69½% off; from J. C. Gouff, Point St., Amer. vitr. pipe $36,032, standard at 68½% off.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Feb. 13, sanitary sewers in 150th Ave. from Awixa Corp., Mt. Vernon, (A) $513,370, from Hamen Constr. Co., (B) $407.045; in Sutter Ave., from A. Paino, Corona, (A) $148,653, from J. H. Johnson, (B) $138,480. Noted Feb. 5.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., Feb. 16, sewers in Laurel Hill Terrace, from T. A. Reilly, 48 East 41st St., $44,990. Noted Feb. 12.

Md., Baltimore — Bd. Awards, Feb. 11, 7,500 ft. 8- to 48-in. sewers in Storm Water Contr. 80, from P. Marocco, 638 South Linwood Ave., $59,319.

Wis., Milwaukee—D. W. Hoan, chn. Central Bd. Purchases, from Milwaukee Grey Iron & Fdry. Co., 39th and Mitchell Sts., three hundred 3 flange frames and grates at $0.03 per lb., two hundred 4 flange frames and grates $0.04, twenty-five 3 flange frames and grates $0.03, and one hundred standard manhole covers $0.03. Noted Feb. 5.

Calif., Los Angeles—Bd. Pub. Wks., Sect. 1, Arroyo De La Sacatela storm drainage system covering approximately 16 sq.mi., main portion square box section 9 to 11 ft. wide and 8.5 to 10 ft. high, rein.-con., from Atkinson-Spicer Co., Chapman Bldg., approximately $1,279,500. Noted Jan. 15.

Calif., Santa Monica—For vitr. sewers in Georgia Ave. between 26th St. and 21st Pl., et al, from C. Fisher, 1682 4th St., approximately $31,000. Noted Jan. 29.

CONTRACTS AWARDED

N. C., Siler City—See "Waterworks."

La., Amite City—B. L. Goodman, mayor, and Bd. Aldermen, sewers and septic tank, to H. A. Forrest, New Orleans; furnishing c.i. pipe, to Amer. Cast Iron Pipe Co., Acipco St., Birmingham, Ala.; castings, to J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga.; sewer pipe, to Southern Sewer Pipe Wks., 28th Ave. N., Birmingham, Ala.

Mich., Sturgis—For 2,080 ft. 54 in. tile segment block storm sewer and 1,850 ft. open ditch in South Clay and Florence Sts., to Wolvering Eng. Co., Mason, $44,820. Noted Jan. 20.

Mo., Kansas City—To T. P. Thompson, Kansas City, sewer in Dist. 490, Div. 5, $9,280; to Kinlen Constr. Co., 3426 Michigan St., in Dist. 528, Div. 7 $9,372, in Joint Dist. 46, 60 and 123, Div. 1, $2,294; to Halpin-Boyle Constr. Co., 709 Ry. Exch. Bldg., in Dist. 566, Div. 5 $2,211, in Dist. 464, Div. 5 $5,804.

Tex., Carthage—See "Streets and Roads."

Calif., Ripon — Ripon Sanitary Dist., sewerage system to W. J. Tobin, 527 Santa Ray Ave., Oakland, $28,650. Noted Feb. 12.

Calif., San Francisco — Bd. Pub. Wks., outfall sewer in Great Highway and Vicente St., 330 ft. 24 in. vitr. ironstone pipe encased in rein.-con., 1,396 ft. 21 in. vitr. ironstone pipe with concrete foundation, 1 rein.-con. spillway, 600 lin.ft. 6 in. vitr. ironstone pipe under drain embedded in concrete or broken rock, etc., to P. J. McHugh, 470 36th Ave., for City and San Francisco Co. $31,970. Noted Jan. 29.

Ont., Toronto—Vitr. tile sewers in lanes at Roxborough and Yonge Sts., to Natl. Contg. Co., 9 Garnock Ave., $2,728; in Fitzroy Terrace, to L. P. Acri, 102 Markham St., $825; interceptor concrete trunk sewer in 3,723 ft. Boulevard Dr., Sects. B and C, to Russell Constr. Co., Harbor Comn. Bldg., $43,684. Engrs. est. $50,000.

Ont., Toronto—Vitr. tile and brick trunk sewers in Weller St., to A. E. Jupp Constr. Co., Berkeley St., $1,358; in Burnside Dr., to W. E. Taylor, 22 Falcon Ave., $4,200; South Parkdale Sewer and Exhibition Interceptor Sewer, Sect. A, to W. E. Taylor, 22 Falcon St., $6,485, Sect. B, to Connolly & Agnew, 606 Ave. Rd., $17,279. Engrs. est. $30,000.

Waste Disposal

PROPOSED WORK

Calif., Los Angeles—Bd. Pub. Wks., rejected bids Jan. 20, 200 ton incinerator. To exceed $25,000. Will readvertise. Noted Jan. 29.

Bridges

PROPOSED WORK

Vt., Brattleboro — Bd. Selectmen, City Hall, plans 725 ft. steel bridge with one 425 ft. main span and two 150 ft. approaches over mouth of West River. $150,000. Address City Engineer. Noted Oct. 23.

R. I., Providence—Plans bridge, Point St. $400,000. F. E. Waterman, City Hall, city engr.

Fla., Ft. Lauderdale — Plans election $200,000 bonds for 2 bridges over New River, one at East Ave., and other near Colee Ave. J. Lawson, city clk.

Alabama—State Hy. Dept., Montgomery, plans ten 150 ft. and one 200 ft. bascule span steel and concrete bridges on Albany-Decatur Rd., Limestone and Morgan Counties. $400,000. W. S. Keller, highway engr.

Ala., Alaga — States of Alabama and Georgia plan 2 span 330 ft. bridge with concrete approaches, here, in Houstin Co. (Dothan), Ala., and Early Co. (Blakely), Ga. $75,000. W. S. Keller, Montgomery, Ala., highway engr.

Ala., Gadsden — State Hy. Dept., Montgomery, plans 11 span 1,400 ft. concrete bridge, 27 for roadway and two 5 ft. sidewalks, here, Etowah Co. $400,000. W. S. Keller, highway engr. Noted Dec. 11.

Tenn., Nashville—City and Terminal R.R. Assn., 125 9th Ave. S., plan viaduct over railroad tracks at Demombreum St. To exceed $25,000. H. E. House, mayor.

Wisconsin—City of Milwaukee and Milwaukee Co. making plans and take bids about Aug. 1, 330 ft. (505 ft. incl. approaches) concrete or steel, arch type bridge, 60 ft., with 10 ft. sidewalk, on Atwater Rd. between Milwaukee and Shorewood. $400,000. State Hy. Comn., Madison, engrs.

Wis., Manitowoc—City c/o A. H. Zander, city clk., plans steel, double leaf bascule bridge over Manitowoc River, at 8th St. $200,000.

Wis., North Milwaukee—City, c/o W. E. Chase, city clk., plans election $35,000 bonds, three steel or concrete bridges over small streams. H. C. Webster, 216 West Water St., Milwaukee, engr.

Wis., South Milwaukee—City, c/o R. J. Schauer, city clk., plans to issue $25,000 bonds, for 30 to 40 ft. steel or concrete bridge on Milwaukee Ave., and repairing present bridges. Engineer not selected.

Mo., St. Louis—Making preliminary plans 3 span rein.-con. and steel viaduct, 60 ft., over Mill Creek Valley on Grand Blvd. between Clark Ave. and Gratio, $750,000. Bartholomew, Municipal Courts Bldg., engr.

Mo., St. Louis—City, c/o Bd. Pub. Serv., making preliminary plans 3 spans 135 ft. rein.-con. bridge, 40 ft. wide overall, incl. 30 ft. roadway and 5 ft. sidewalk on 1 side, two piers and two abutments, over River Des Peres at Southwest Ave. $40,000. L. R. Bowen, 301 City Hall, engr.

Kansas—Saline Co. (Salina) making preliminary plans rein.-con. and steel bridge across Salina River at New Cambria, $20,000, and concrete and steel bridge over Solomon River, near Solomon, $25,000. W. H. Cost, Salina, engr.

Kan., Lyndon—See "Streets and Roads."

Kan., Marion—Marion Co. making preliminary plans two 50 ft. span steel and concrete bridge with 30 ft. roadway, over Mud Creek, Federal Aid Project 217, Sect. B, and two 30 ft. and one 100 ft. steel and concrete bridge with 20 ft. roadway, on Federal Aid Project 226. C. M. Hartsock, Marion, engr.

Kan., Russell—See "Streets and Roads."

Tex., Albany—See "Streets and Roads."

Tex., Baird—See "Streets and Roads."

Bridges (Continued)

Tex., Henrietta — See "Streets and Roads."

Tex., Jacksboro — See "Streets and Roads."

Tex., Orange—Orange Co. and State Hy. Dept., Austin, making plans 2 span, 200 ft. steel and concrete bridge across Sabine River. $250,000. Address County Commissioners. Noted Jan. 15.

Tex., Sweetwater — See "Streets and Roads."

Okla., Bedford—State Hy. Dept., Oklahoma City, made plans 2,265 ft. concrete and steel truss bridge with 5 spans and approach, in Pawnee Co., here. $155,000. J. M. Page, highway engr.

BIDS DESIRED

N. J., Matawan—Mar. 4, by Bd. Freeholders Monmouth Co., Freehold, reconstructing Main St. bridge, here. B. B. Newcomb, dir.; adv. E. N.-R. Feb. 19. Noted Feb. 12.

Pa., Williamsport—Mar. 10, by Commissioners Lycoming Co., two 180 ft. rein.-con. girder bridges, 24 ft., incl. 3 spans, two piers and abutments over Lycoming Creek. $200,000. M. H. Krause, Susquehanna Trust Bldg., engrs.

W. Va., Lewisburg — See "Streets and Roads."

S. C., Winnsboro—Mar. 10, at office Fairfield Co. Hy. Comn., 394 ft. rein.-con. bridge over Little River, on State Route 22, State Project S-535-C. State Highway Engineer, 1626 Main St., Columbia, engr.

Fla., St. Augustine—Mar. 23, at office E. Masters, city mgr., steel girder highway bridge over Matanzas River. J. E. Greiner & Co., Lexington Bldg., Baltimore, Md., consult. engr.; adv. E. N.-R. Feb. 19.

Alabama—Feb. 25, by State Hy. Dept., Montgomery, bridge on Georgiana-Conecuh Co. line Rd., 40,693 lb. reinforcing, 46,773 lb. structural steel, 4,588 ft. treated and 480 ft. untreated piling, 1,639 sq.yd. rock asphalt surfacing, etc.; also bridge on Fayette-New Lexington Rd., 368,452 lb. reinforcing, 1,900 cu.yd. dry, 3,513 cu.yd. wet and 153 cu.yd. rock excav., 67,000 lb. structural steel, 600 ft. untreated piling, etc. W. S. Keller, highway engr.

Minn., Brushvale — Mar. 11, by P. E. Truax, aud. Wilkin Co., Breckenridge, 100 ft. steel span bridge, 18 ft., with 20 ft. approach on east side, and three approaches on west side, etc., over Red River, here, for Richland Co. (Wahpeton), N. D., and Wilkin Co. (Breckenridge), Minn. $25,000. Noted Feb. 12.

Missouri—Feb. 28, by State Hy. Dept., Jefferson City, one 51 ft. and four 35 ft. rein.-con. deck girder spans, etc. over Missouri Pacific R.R. tracks, eight ft., two 10 ft., one 40 ft. and two 12 ft. rein.-con. slab spans, etc. over stream, all Johnson Co.; one 25 ft. rein.-con. deck girder span, etc. over Winn Creek, Macon Co.; one 60 ft. steel truss span, etc. over Cuivre River, two 20 ft. rein.-con. slab spans, etc. over stream, both Audrain Co.; two 8 ft. and two 12 ft. rein.-con. slab spans, etc. over Camp Branch, Cass Co.; one 60 ft. rein.-con. arch span, spandrell filled over Long Branch, Caldwell Co.; three 100 ft. steel truss spans, etc. over Salt River, Shelby Co.; three 60 ft. steel truss spans and four 30 ft. I-beam spans, etc. over west fork Grand River, Worth Co.; two 12 ft. rein.-con. slab spans, etc. over stream, Marion Co. B. H. Piepmeier, ch. engr.

Tex., Eagle Pass — See "Streets and Roads."

Oklahoma—Feb. 24, by State Hy. Dept., Oklahoma City, 2 span 166 ft. steel and concrete bridge at Shawnee, Pottawatomie Co., 17,000 cu.yd. stone embankment, 900 ft. wood piling, etc., $35,000; and 10 span 877 ft. steel and concrete bridge at Harrah, Oklahoma Co., 894 cu.yd. concrete, 1,755 sq.yd. brick surfacing, etc., $150,000. J. M. Page, highway engr.

Oklahoma—Feb. 24, by State Hy. Dept., Oklahoma City, 2 span 140 ft. steel and concrete bridge at Overbrook, Love Co., $30,000; 2 span 160 ft. steel truss bridge on concrete piers at El Reno, Canadian Co., $45,000; and 1 span 80 ft. rein.-con. and steel bridge at Oilton, Creek Co., $28,000. J. M. Page, highway engr.

California—Mar. 2, by State Hy. Comn., Sacramento, three 46 ft. and two 21 ft., rein.-con. span bridge, 30 ft., on concrete piers and pile bents over San Juan Creek, Orange Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Ont., Keewatin — C. H. Fullerton, ch. engr., Parliament Bldg., Toronto, concrete substructure for 300 ft. bridge, 20 ft., across arm of Lake of the Woods, here, to Kelly & Kimberley, Keewatin, $14,310; steel superstructure, to Hamilton Bridge Wks. Ltd., Waterfront, Hamilton, $26,740. Engrs. est. $35,000.

BIDS RECEIVED

N. J., Hackensack — State Hy. Dept., Trenton, repairing and reconstructing center timber fender of bridge, 200 ft. long, 40 ft. wide and north end of east timber fender, 92 ft. long, 10 ft. wide, etc. over Hackensack River on Lincoln Highway, State Route 1, Hudson Co., from Stillman, Delahanty & Ferris, 1 Exch. Pl., Jersey City, $41,421. Noted Jan. 22.

Louisiana — State Hy. Comn., Reymond Bldg., Baton Rouge, Interstate Bridge on Federal Aid Project 175, over East Pearl River, between St. Tammany Parish, La., and Hancock Co., Miss., from Vincennes Bridge Co., Vincennes, Ind., $26,098. Noted Jan. 1.

CONTRACTS AWARDED

Alabama—State Hy. Dept., Montgomery, 3 span ½ mi. concrete and creosoted timber bridge over Alabama River at Reese's Ferry, Montgomery Co., to Virginia Bridge Co., Roanoke, Va., $109,480. Engrs. est. $110,000. Noted Jan. 15.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, one 24 ft. span concrete, four 160 ft. and one 95 ft. span steel and nineteen 53 ft. span concrete girder bridge on Route 3, Sects. 73-B and C, Randolph Co., to W. H. Shons Co., Freeport, $204,000; three 35 ft. and five 46 ft. span concrete girder and one 24 ft. slab span bridges, Jefferson Co., to H. R. Cawood, Mt. Vernon, $37,691; substructure for one 40 ft. and six 50 ft. concrete girders, one 7 ft. span combined and one 125 ft. steel bridges, Route 33-B, Jasper and Crawford Counties, to V. O. Connor, Newton, $38,748; superstructure for one 7 ft. span combined bridge, one 125 ft. span steel and six 50 ft. span concrete girder bridges, Route 33, Sect. 3-C, Jasper and Crawford Counties, to Vincennes Bridge Co., Vincennes, Ind., $9,280. Noted Dec. 25.

Tex., Mercedes—Gulf Coast Lines, Union Sta., Houston, 1,500 ft. creosoted timber trestle over floodway of Mercedes Flood Prevention Project, near here, to Dodds & Wedegartner, Mercedes, $26,000.

Dams

PROPOSED WORK

Me., Lewiston — Central Maine Power Co., plans dam in Androscoggin River. F. Mason, Lewiston, engr.

Ont., Port Arthur—Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans concrete dam across Nipigon River at Virgin Falls. $300,000-$500,000. F. A. Gaby, ch. engr.

CONTRACTS AWARDED

Va., Martinsville—See "Buildings—Industrial."

Railways

PROPOSED WORK

Michigan — Dept. Street Rys., St. Jean and Shoemaker Aves., Detroit, making plans additional yards at Woodward Ave. car barns, in Detroit. $75,000. R. Schram, genl. mgr.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Fairfield—Skillet Fork River Outlet, Union D. D. making preliminary plans draining about 75,956 acres, incl. 30 mi. ditches and laterals, 4,500,000 cu.yd. excav., in Wayne, White and Hamilton Counties. G. C. Harvey, Mount Carmel, engr.

Neb., Dakota City—Omadi D. D. Dakota Co., plans drainage ditches, levees, laterals, etc. $37,650.

Calif., Tracy—Ohm & Raab, engrs., 517 East Market St., Stockton, making plans irrigating 1,055 acres, 7,770 ft. ditch 13 ft. wide on top, 5 ft. on bottom, 2 ft. deep; pumping plant, incl. two horizontal centrifugal pumps, 10 and 18 in. capacity 13.6 sec. ft. and total lift 51 ft. operated by 125 hp. electric motors, and 1,500 ft. 24 in. wood stave pipe line. Owners name withheld.

BIDS DESIRED

N. J., Trenton—Feb. 24, by Bd. Freeholders Mercer Co., W. Fowler, clk., 4,220 ft. French under drain, 3,150 lin.ft. from 6- to 24-in. vitr. drains, 1,080 lin.ft. 30 in. rein.-con. pipe, 1,270 lin.ft. 3 and 4 in. rein.-con. conduit. $45,000. H. F. Harris, Court House, engr.

Wis., Madison — Feb. 27, by Dane Co. D. D. Bd., N. Holman, secy., Court House, dredging and cleaning out approximately 35,000 cu.yd. 6 ditches in Nine Springs D. D. H. P. Hintze, Court House, engr.

Mo., Glasgow—Feb. 25, by W. A. Labus, secy. Porterfield Levee Dist., 11 mi. levees, 120,000 cu.yd. excav. C. E. Jacoby, 700 Interstate Bldg., Kansas City, engr.

BIDS RECEIVED

Calif., San Diego—W. H. Cameron, city purch. agt., Feb. 4, 850,000 cu.yd. dredging and placing fill back of sea wall, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco at $0.2375 per cu.yd.; 3,470 lin.ft. concrete seawall from Lipscomb & Dutton, Owl Drug Bldg., at $18.90 per ft. Noted Jan. 22.

CONTRACTS AWARDED

Fla., Clearwater — Dredging and filling for causeway across Clearwater Harbor, to Tampa Sand & Shell Co., foot of Harrison St., Tampa, $205,560. Noted Jan. 8.

Neb., Tekamah—Tekamah D.D., 1,000,000 sq.yd. heavy excavation, to Boyce Constr. Co., Omaha, $75,750. Engr. est. $80,000.

Tex., Penitas — Hidalgo Water Impvt. Dist. 4, Edinburg, intake canal near here, 60,000 yds. dirt work, Penitas Main Canal 760,000 yds. dirt, and settling basin levee, near here, 50,000 yds. dirt work, etc., to L. D. Crawford, Mercedes, $100,000.

Ont., Ottawa—Metropolitan Life Insurance Co., excavation for new office building, Wellington St., to A. Garnock, Sparks St. Noted Jan. 8.

Streets and Roads

PROPOSED WORK

Pa., Pittsburgh—Soon takes bids grading, paving and curbing Orpwood St., $25,000; Virginia Ave., $110,000; and Forbes St., $141,000. City, c/o Dept. Pub. Wks., City County Bldg., engrs.

Pa., Pittsburgh—Making plans grading, paving and curbing Bigelow St., $25,000; Craftmont St., $28,000; Eldora Pl. $31,000. City, c/o Dept. of Pub. Wks., City-County Bldg., engr.

Md., Baltimore—Making plans sheet asphalt paving 75,000 sq.yd. footways $135,000, 260 alleys $200,000, in Central Dist. bounded by North and Patterson Park Aves., Monroe and Pratt Sts. $121,000; maintenance and reconstruction of streets in Western Dist. bounded by Edmonson and Green Spring Aves., north and west city lines $148,000, in Northern Dist. bounded by Green Spring, Harford and North Aves., and north city line $200,000, in Eastern Dist. bounded by Harford and Patterson Park Aves. and water front $220,000, in Southern Dist. bounded by Edmonson Ave., Monroe, Pratt and Hanover Sts. around water front to southwestern city line $110,000. B. L. Crozier, City Hall, engr.

W. Va., Morgantown — Monongalia Co. election Mar. 21, $145,000 bonds for roads in Clinton Dist. A. J. Bartell, Morgantown, co. engr. Noed Jan. 15.

Fla., Dunedin—Voted $25,000 bonds, paving Main St. A. J. Grant, pres. city council.

Fla., Ft. Lauderdale—Plans election $90,000 bonds, paving various streets. J. Lawson, city clk.

Fla., Kissimmee—Plans election $500,000 bonds paving various streets. Address City Commissioners.

Fla., South Jacksonville—Election Mar. 4, $149,000 bonds, paving various streets. P. C. Marion, chn. City Council.

Fla., Titusville—Election Mar. 10, $150,000 bonds, paving various streets. Address City Commissioners.

Miss., Natchez—Election in early spring $500,000 bonds, grading, hard-surfacing, etc., various streets. Engineer not selected.

Tenn., Dyersburg—Dyer Co. election Feb. 21, $1,000,000 bonds for roads.

O., Canton — Bd. Control takes bids in spring brick repaving and widening 2nd St. N. E. $40,000. W. E. Sarver, city engr.

O., Cincinnati — Making plans granite curbing, laying cement sidewalks, and repaving 450 ft. Court St., 88 ft., 250 sq.yd. granite block, and 4,400 sq.yd. asphalt, etc. $28,947. F. Krug, City Hall, engr.

O., Cleveland—Cuyahoga Co., takes bids in spring brick paving 2 mi. Miles Rd., $448,000, and 1 mi. Cedar Rd., $205,000. F. Lander, Court House, engr.

Streets and Roads (Continued)

Mich., Detroit—Making plans sheet asphalt paving 6,930 sq.yd. Petoskey Ave. $34,650; 5,650 sq.yd. Chesterfield Ave. $28,270; 1,190 sq.yd. St. Martin Ave. $5,950; 2,430 sq.yd. Humphrey Ave. $12,140; 1,220 sq.yd. Troy Pl. $6,100; 8,040 sq.yd. Wiltshire Dr. $40,230; 2,100 sq.yd. Pressler Ave. $10,550; 2,730 sq.yd. Meldrum Ave. $13,670; 6,950 sq.yd. Picadilly Ave. $34,780; 4,250 sq.yd. Windchester Ave. $21,290; ,300 sq.yd. Roslyn Ave. $6,500; 1,950 sq.yd. Wakefield Ave. $9,750; 2,820 sq.yd. Rathbone Ave. $14,110; 2,190 sq.yd. Beniteau Blvd. $11,470. G. Jerome, city engr.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids Dec. 17, concrete surfacing 14.08 mi. Route 5, Sects. 28, 29 and 30, Jo Daviess Co. and 3.31 mi. Route 38, Sect. 2, Jersey Co. Noted Dec. 17.

Ill., Marissa—Takes bids in spring grading, 7 in. rein.-con. paving, etc. 10,000 sq.yd. Main St. $38,000. B. C. McCurdy, 17-A North Illinois St., Belleville, engr.

Wis., Janesville—Soon takes bids rein.-con. paving, etc., 5.5 mi. various streets. C. V. Kerch, city engr. Noted Jan. 22.

Wis., Kenosha—Kenosha Co., c/o C. R. Weymouth, Stephenson Bldg., div. engr., soon takes bids concrete surfacing, etc., 9 mi. Silver Lake-Twin Lakes Rd., 18 ft. State Highway Comn., Madison, engrs. Noted Dec. 18.

Wis., Merrill—H. R. Allen, city clk., plans brick paving Grand Ave., Ellis Court and Prospect St.; concrete paving 1st and Polk Sts. To exceed $25,000. Engineer not selected.

Wis., Seymour—City, c/o B. G. Dean, city clk., plans one course concrete paving with integral curb and gutter on Main St. between High St. and south city limits. $35,000. Engineer not selected.

Wis., Wausau — Making plans paving Gray Pl., Grant, 6th, 10th and Division Sts., approximately 15,000 sq.yd. vibrolithic concrete, rein.-con. or brick. B. C. Gowen, City Hall, engr.

Ia., Ackley — Plans paving 31 blocks various streets. $160,000. J. R. Heinz, city clk.

Ia., Cedar Rapids—Soon takes bids grading, paving with various materials, etc. 15 blocks various streets.

Ia., State Center—Plans paving about 10,000 sq.yd. various streets. $35,000. Brown & Cook, Ottumwa, engr.

Minn., Owatonna — Plans paving about 0.5 mi. South Cedar St. $25,000. M. S. Kasper, city clk.

Kan., Kansas City—Wyandotte Co. soon takes bids grading and surfacing 0.5 mi. Bonner Springs Rd., 0.75 mi. Mission Rd. and 47th St., 2.5 mi. Gibbs Rd., 0.5 mi. Kerr Rd., 0.5 mi. Parallel Rd., and 3.5 mi. Walker Rd. O. K. Williams, Kansas City, co. engr.

Kan., Lyndon—Osage Co. soon takes bids grading, bridging, etc. 6.009 mi. Federal Aid Project 264-C, 28 ft. R. Hopper, Lyndon, engr.

Kan., Russell—Russell Co. plans grading, bridging, etc., 10.017 mi. Federal Aid Project Sects. B and C, 28 ft. G. L. Campbell, Salina, engr.

N. D., Dickinson—Plans curbing, guttering and paving 12 blocks various streets. $87,000-$135,000. R. C. Hill, city aud.

N. D., Grand Forks—Plans paving, curbing etc., 0.5 mi. South Washington St. and 4th Ave. $25,000. C. E. Evanson, city aud.

Missouri — State Hy. Dept., Jefferson City, making plans 30 ft. grading 43.119 mi. roads in Worth, Johnson, Macon, Cass and Caldwell Counties; grading 115.764 mi. roads in Daviess, Pemiscot, Shelby, Crawford, Webster, Johnson, Marion, Franklin, Harrison and Gentry Counties; 18 ft. concrete surfacing 97.954 mi. roads in Daviess, Shelby, Crawford, Marion, Franklin, Gentry, Johnson and Webster Counties; 12 ft. gravel surfacing 26.899 mi. roads in Dunklin Co.; 9 ft. concrete surfacing 9.81 mi. road in Harrison Co.; 17 ft. gravel surfacing 7.868 mi. road in Audrain Co.; 9 ft. concrete and 7 ft. gravel surfacing 8 mi. road in Pemiscot Co.; 18 ft. rock asphalt surfacing 4.811 mi. road in Daviess Co.; 18 ft. penetration macadam and 18 ft. asphaltic concrete surfacing 4.811 mi. road in Daviess Co.; 16 ft. gravel surfacing 4 mi. road in Calloway and Polk Counties. B. H. Piepmeier, ch. engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids asphaltic concrete paving and granite curbing 675 sq.yd. Berthold St. $4,770, 1,295 sq.yd. Christy St. $9,900, 1,685 sq.yd. Illinois St. $8,400; concrete paving and granite curbing 2,330 sq.yd. Newport Court $3,450; asphalt on concrete surfacing and granite curbing 1,350 sq.yd. Louisiana St. $9,800, 1,845 sq.yd. San Francisco St. $13,570; Willite on concrete surfacing and concrete curbing 4,215 sq.yd. Lemp St. $21,300. W. W. Horner, city engr.

Ark., Hot Springs—Takes bids in April, grading, hard-surfacing, etc., 25 blocks various streets in Dist. 81. C. Smith, City Hall, engr.

Ark., Little Rock—Takes bids in March grading, paving, etc., about 9,000 sq.yd. various streets in Dists. 406 and 407. $40,000. F. Pritchett, Reigler Bldg., engr.

Ark., Little Rock—Making preliminary plans grading, hard-surfacing, etc., various streets in Dist. 408. $35,000. G. D. Douglas, Southern Trust Bldg., engr.

Ark., Pine Bluff—Soon takes bids grading and concrete, asphaltic concrete or asphalt on concrete surfacing, etc., 50 blocks various streets. F. R. Allen, City Hall, engr.

Ark., Russellville—Soon takes bids grading, hard-surfacing, etc., various streets in Dist. 4. $150,000. S. G. Davis, Morrilton, engr.

Tex., Albany—Shackelford Co. making plans grading and bridging 12.71 mi. State Highway 1. $90,000. J. E. Pirie, Albany, engr.

Tex., Corsicana — Navarro Co. election soon $6,000,000 bonds of which $2,500,000 will retire old bonds, and remainder for 102 mi. highway improvements, 18 ft. W. W. McClendon, Corsicana, engr.

Tex., Henrietta—Clay Co. soon takes bids grading and bridging 7.14 mi. State Highway 5, Federal Aid Project 448-A, 26 ft. $83,400. D. M. Puckett, Henrietta, co. engr.

Tex., Sweetwater—Nolan Co. takes bid after Feb. 25, grading and bridging 15.31 mi. State Highway 1, Federal Aid Project 444-D. $160,000. J. A. Focht, Sweetwater, co. engr.

Tex., Waco—McLennan Co. plans paving 22,072 sq.yd. North 25th St. from Columbus to Colcord Sts. $69,225. V. G. Koch, city engr.

Tex., Galveston — City Secretary soon takes bids paving approximately 10,000 yds. 21st and 22nd Sts. to Market St. $32,000. C. A. Holt, Jr., Galveston, engr.

Okla., Alva — Making preliminary plans grading and concrete surfacing 13,800 sq.yd. various streets in Dists. 11, 12 and 13. $46,000. F. E. Devlin, Bitting Bldg., Wichita, Kan., engr.

Okla., Newkirk—Kay Co. soon takes bids grading road 6 mi. east of Ponco City, 9.5 mi. Pawhuska-Burbank Rd., and 7 mi. Pershing-Barnsdall Rd. $70,000. Address County Judge.

Okla., Oklahoma City—Plans grading and sheet asphalt surfacing 5,400 sq.yd. 16th, Geary and McKinley Sts. $32,000. B. M. Hart, City Hall, engr.

Okla., Shidler—Defeated $53,000 bonds, grading and surfacing 3 blocks Cosden Ave., 76 ft. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Jan. 15.

Okla., Woodward — Making preliminary plans paving 15 blocks various streets, 50-76 ft. $100,000. Engineer not selected.

Colo., Denver — Making plans asphalt paving 132 blocks in Capitol Hill Paving Dists. 17 to 27 (inclusive), $647,168; concrete paving 24 blocks Alley Paving Dists. 120 and 121, $61,492; concrete curbing, guttering and street surfacing South Denver Impvt. Dist. 18, $119,014, Montclair Impvt. Dist. 2, $155,236. A. K. Vickery, City Hall, engr.

California—Alameda Co. (Oakland) making plans widening 2.5 mi. East 14th St. between city of San Leandro and Laurel St. To exceed $25,000. G. A. Posey, Oakland, co. surv.

California—State Hy. Dept., Sacramento, plans highway between Santa Barbara and Summerland city limits, via Montecito and Ortega Hill, Santa Barbara Co. $150,000. R. M. Morton, Sacramento, highway engr.

Calif., Burbank—Plans paving, etc., portions of Naomi, Florence, Niagara and Fairview Aves. To exceed $25,000. A. M. Rose, city engr.

Calif., Long Beach—Plans widening Pine Ave., incl. construction of tunnel. $75,000. R. D. Van Alstine, city engr.

Calif., Los Angeles — Los Angeles Co. made plans improving 1.94 mi. Hawthorne Ave. and Los Angeles-Redondo Blvd., 13,783 cu.yd. excav., 25,172 sq.yd. shape road bed, 24,033 sq.yd. 2 in. Willite on 3 in. asphaltic concrete, 25,172 sq.yd. 5 in. disentegrated granite sub-base, 20,510 ft. shape shoulders, etc. To exceed $50,000. G. Jones, Hall of Records Bldg., engr.

Calif., Mayfield—Making plans paving 3 mi. various streets. C. Moser, 561 Homer Ave., Palo Alto, engr.

Calif., Merced—Merced Co. plans grading and 2 in. oil macadam on 4 in. waterbound macadam paving roads in Rd. Impvt. Dist. 7. To exceed $25,000. W. E. Bedesen, Merced, co. surv.

Calif., Oakland—Made plans improving Golf Links road, 18,071 cu.yd. excav., 596 ft. 10- to 21-in., and 60 ft. 8 x 7 ft. 9 in. concrete culvert, etc. W. W. Harmon, city engr.

Calif., Redwood City — San Mateo Co. making plans repairing and paving 7 mi. road between Pescadero and San Gregorio. G. A. Kneese, Redwood City, engr.

Calif., San Bernardino—Plans paving A St. between 3rd and 38th Sts. $175,000. C. E. Johnson, city engr.

Calif., San Diego—Common Council plans improving National Ave. between 16th and 26th Sts., 252,269 sq.ft. 5 in. concrete paving, etc.; G St. between 16th and 25th Sts., 131,968 sq.ft. 1.5 in. asphaltic concrete on 2.5 in. bituminous, 255 ft. concrete curb, etc.; and Utah St. between University and Adams Aves., 273,948 sq.ft. 1.5 in. asphaltic concrete on 5 in. concrete, etc. F. A. Rhodes, city engr.

Calif., San Francisco—Plans paving Main St. between Howard and Embarcadero Sts., probably asphaltic concrete. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Barbara — Santa Barbara Co. made plans constructing 9.5 mi. Lompoc Harris Station-San Miguelito Rd., 35,000 cu.yd. excav., 905,000 sq.ft. 5 in. asphaltic concrete paving. To exceed $200,000. O. H. O'Neill, Santa Barbara, co. surv. Noted Jan. 15.

Calif., Santa Cruz—Made plans improving Ocean St. between Water St. and Soquel Ave., 91,116 sq.ft. each grading and 5 in. concrete paving, etc., and Ocean St. between Bway. and Cliff Dr., 77,271 sq.ft. each grading and 5 in. concrete paving, etc. H. E. Godegast, city engr.

Calif., Turlock—Making plans improving 3rd, 4th, 5th and C Sts., 190,000 sq.ft. grading, 155,000 sq.ft. 1.5 in. Warrenite bituminous on 3 in. asphaltic concrete, 35,000 sq.ft. concrete gutter, etc. H. C. Hall, city engr.

Ont., Hamilton — Barton Twp. Council plans expending $35,000 on highway improvements. A. J. Shaw, Court House, engr.

Ont., Lucknow—Making plans and takes bids about April 15, concrete paving Main St. $40,000. A. Stephenson, County Bldg., Walkerton, engr.

Ont., Paisley—Making plans and takes bids about April 15, concrete paving Queen St. $35,000. A. Stephenson, County Bldg., Walkerton, engr.

Ont., Stratford—Perth Co. Council making plans concrete paving 3½ mi. St. Marys Rd., and resurfacing and improving other highways. $110,000. J. Roger, Mitchell, engr.

Ont., Toronto—Toronto and York Good Rds. Comn. plans to expend $150,000 for construction of 10 mi. macadam and tarvia roads. E. A. James, 57 Adelaide St. E., engr.

Ont., Toronto — Plans asphalt paving 6,500 sq.yd. Glenrose Ave. $12,371, Inglewood Dr. $5,708, Raglaw Ave. $4,259, Rosedale Heights Dr. $3,163. R. C. Harris, city engr.

BIDS DESIRED

Mass., Boston—Feb. 24, by Dept. Pub. Wks., bituminous repairing on any street not under guarantee when ordered by Commissioner from Mar. 1 to Dec. 31. $50,000. J. A. Rourke, comr.

N. Y., Brooklyn — Feb. 25, by J. A. Guider, boro pres., Boro Hall, repaving Empire Blvd., Hamilton and Marcy Aves.

N. Y., Long Island City — Feb. 25, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in 150th Ave. from pumping station at 134th St. to Judith St.

N. Y., St. George—Feb. 25, by J. A. Lynch, pres. Richmond Boro., Boro. Hall, grading, etc., Elm St.

New Jersey—Mar. 9, by State Hy. Dept., Trenton, grading, sheet asphalt and granite block paving Route 11, Sect. 10, Essex Co.; rein.-con. paving, etc., Route 7, Sect. 4, Monmouth Co., A. L. Grover, secy.; adv. E. N.-R. Feb. 19.

N. J., Freehold—Mar. 4, by Bd. Freeholders Monmouth Co., Court House, reconstructing Matawan-Freneau Rd. 65, Matawan Twp. G. K. Allen, Broad St., Red Bank, engr.; adv. E. N.-R. Feb. 19.

Pa., Ebensburg — Mar. 4, by Comrs. Cambria Co. grading and one course rein.-con. surfacing 11,468 ft. road in Summer-

Streets and Roads (Continued)

hill Twp. from Beaverdale to Lovett, 16 ft. $60,000. L. R. Owen, Ebensburg, co. engr. Noted Jan. 8.

Pa., Phila.—See "Waterworks."

W. Va., Lewisburg—Mar. 3, by Greenbrier Co. Court, light grading and macadam surfacing 4 mi. Midland Trail-Hughart Rd., 6,700 cu.yd. excav., 6 mi. Hughart-Williamsburg Rd., 10,000 cu.yd. excav., 3 mi. Williamsburg-Trout Rd., 6,000 cu.yd. excav. and 4 mi. Falling Spring-Trout Rd., 8,000 cu.yd. excav., also seven 10 ft. span concrete bridges with 18 ft. roadway and 6 ft. clearing. Bids to be taken as a whole or on any one project. H. L. Handley, co. engr.

South Carolina—Feb. 25, at office J. M. Martin, engr. Florence Co., Florence, grading and plain concrete, sheet asphaalt or asphaltic concrete surfacing 7.2 mi. State Route 41, State Project S-542, for Florence and Darlington Counties.

S. C., Greenville—Mar. 3, at office Supervisor Greenville Co., Court House, grading and plain concrete, asphaltic concrete or sheet asphalt surfacing 4.7 mi. State Route 2, State Project S-565. E. D. Sloan, Court House, engr.

Georgia—Feb. 20, by State Hy. Comn., East Point, gravel surfacing 20,305 cu.yd. Jessup-Brunswick between Grangeville and Everett Federal Aid Project 352; also approach fills to bridge over Ogeechee River, on Federal Aid Project 207, Bryan and Effingham Counties, 8,245 cu.yd. common and 34,818 cu.yd. borrow excav., 11,989 sq.yd. grassing shoulders and slopes, 11,543 cu.yd. gravel surfacing, etc. W. L. Neel, East Point, engr.

Fla., Ocala—Mar. 3, by City Council, paving 200,000 sq.yd. various streets. E. Drake, city mgr.

Ala., Birmingham — Apr. 1, by City Clerk, asphalt surfacing 14 blocks 18th, 19th and 28th Sts., 40 ft. A. J. Hawkins, City Hall, engr.

Ala., Tuscaloosa—Apr. 1, by City Clerk, concrete and asphalt surfacing 15 blocks various streets in business section, 30 ft. $150,000. W. H. Nicol, city engr. Noted Dec. 11.

Louisiana—Feb. 24, by State Hy. Dept., Reymond Bldg., Baton Rouge, 3.63 mi. gravel surfacing and shoulders, Frenier-Ory Highway, State Aid Project 15, St. John the Baptist Parish.

O., Cleveland—Feb. 25, by City, grading, concrete curbing, guttering and concrete paving 6,530 sq.yd. Summit Rd., $50,645; grading 23,700 cu.yd. Settlement Rd. 2, and Libby Rd. 2, $26,750. F. Lander, Court House, engr.

O., Cleveland Heights (Warrensville P. O.)—Feb. 25, by City, brick, asphalt, concrete or sheet asphalt paving 15 blocks various streets. $200,000. F. A. Pease Eng. Co., Marshall Bldg., engrs.

Ill., Lewiston — Feb. 21, by City Clerk, improving various streets, 4,650 sq.yd. concrete surfacing, 4,775 lin.ft. expansion joints, 474 ft. 10 in. storm sewers, 225 lin.ft. 8 in. pipe, etc. F. M. Connolly, 432-33 Peoples Trust & Savings Bank Bldg., Galesburg, consult, engrs.

Wis., Oshkosh—Feb. 24, by Bd. Pub. Wks., improving various streets, 20,761 sq. yd. concrete, vibrolithic bituminous concrete or bituminous macadam paving 12,530 ft. concrete curb and gutter, 6,772 cu.yd. grading. G. H. Randall, City Hall, city engr.

Minn., Duluth — Feb. 25, by W. H. Tischer, city comr., grading, concrete curbing, sidewalks and concrete paving 55,920 sq.yd. Congdon Blvd. J. Wilson, city engr.

Minn., Osakis—Feb. 23, by city, improving various streets, 10,300 sq.yd. paving, 3,248 lin.ft. concrete curbing, 1,080 lin.ft. storm sewer, 1,500 lin.ft. water connections. $40,000. J. W. Shaffer & Co., 915 New York Life Bldg., Minneapolis, engrs.

Kan., Nortonville — Feb. 23, by E. T. Lehman, city clk., grading and 14,382 sq.yd. concrete surfacing Locust, Railroad, Main and Norton Sts. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted Nov. 13.

Kan., Wichita—Mar. 2, by E. S. Worrell, city clk., concrete surfacing 1,090 sq.yd. Wabash St., 1,817 sq.yd. Pine St., 3,572 sq.yd. Mathewson St., 2,401 sq.yd. Irving St., 2,120 sq.yd. Jackson St., 1,937 sq.yd. Lewis St. and 5,226 sq.yd. McCormick St.; sheet asphalt surfacing 817 sq.yd. Indianapolis St. and 3,825 sq.yd. Holyoke St.; asphaltic concrete surfacing 1,938 sq.yd. Harrison St., 6,833 sq.yd. Washington St., and 975 sq.yd. Briggs St. $250,000. P. L. Brockaway, City Bldg., engr. Noted Dec. 11.

Missouri—Feb. 28, by State Hy. Comn., Jefferson City, 30 ft. grading 18.91 mi. roads in Worth, Caldwell, Shelby, Johnson and Warrensburg Counties; grading 96.856 mi. roads in Johnson, Webster, Shelby, Franklin, Pemiscot, Gentry, Crawford and Marion Counties; 18 ft. concrete surfacing 91.089 mi. roads in Johnson, Webster, Shelby, Franklin, Daviess, Crawford and Marion Counties; 12 ft. gravel surfacing 4.575 mi. road in Dunklin Co.; 18 ft. gravel surfacing 8.949 road in Cass Co.; 9 ft. concrete and 7 ft. gravel surfacing 5.68 mi. road in Pemiscot Co.; 18 ft. asphaltic concrete surfacing 4.898 mi. road in Daviess Co.; 9 ft. and 18 ft. concrete surfacing 4.898 mi. road in Gentry Co.; 18 ft. penetration macadam surfacing 4.811 mi. road in Daviess Co.; 16 ft. gravel surfacing 1.135 mi. road in Polk Co.; 18 ft. rock asphalt surfacing 4.811 mi. road in Daviess Co. B. H. Piepmeier, ch. engr.

Mo., St. Louis — Feb. 24, by Keck Surveying Co., engrs., 721½ Chestnut St., 2,018 cu.yd. grading, 2,455 sq.yd. 7 in. rein.-con. paving, 1,185 lin.ft. granite curbing, etc. in 660 ft. Winnebago St., for J. Weisert.

Mo., St. Louis — Mar. 10, by Bd. Pub. Serv., 208 City Hall, grading and concrete paving 28 alley projects in various parts of city. $103,780. W. W. Horner, city engr.

Mo., St. Louis — Keck Surveying Co., engrs., 721½ Chestnut St., taking bids 23,000 sq.yd. 8 in. concrete slab paving, 6,000 ft. metal joints, 760 ft. asphalt expansion joints, 5,000 ft. macadam in Russell Park subdivision, for Security Garantor Realty Co., International Life Bldg.

Tex., Eagle Pass—Maverick Co. taking bids grading and bridging 12.09 mi. State Highway 85, State Aid Project 569-A. $55,000. C. E. Wright, Eagle Pass, co. engr.

Oklahoma—Feb. 24, by State Hy. Dept., Oklahoma City, concrete surfacing 92,845 sq.yd. Federal Aid Project 171, near Ramona, Washington Co., $160,000; grading and graveling 9,342 cu.yd. State Aid Project 106, near Nowata, Nowata Co., $40,000; and grading, etc., 129,700 cu.yd. Guthrie-Edmund Rd., Logan Co., $60,000. J. M. Page, highway engr.

Oklahoma—Feb. 24, by State Hy. Dept., Oklahoma City, **F. A. P. means Federal Aid Project and S. A. P. means State Aid Project**, grading and gravel surfacing 4.79 mi. holdenville-Seminole Co. line Rd., 30 ft., F. A. P. 174, Hughes Co., $30,000; vertical fibre brick surfacing, etc. 0.5 mi. Okmulgee Rd., 18 ft., F. A. P. 171 Okmulgee Co., $30,000; concrete surfacing 11.288 mi. Oilton-Keystone Rd., 18 ft., Creek Co. $145,000; 6.77 mi. Newkirk Rd., 18 ft., F. A. P. 167-A. Kay Co. $160,000; 5.15 mi. Ramona Rd., 18 ft., F. A. P. 15-C, Washington Co., $140,000; grading and concrete surfacing 5.16 mi. Oilton-Keystone Rd., 18 ft., F. A. P. 152-A, Osage Co. $60,000; 6.28 mi. road, S. A. P. 142, Kay Co. $25,000; 5.22 mi. Henryetta Rd. 18 ft., F. A. P. 168-A and B, Okmulgee Co. $150,000; grading 5.77 mi. Ponca City-Pawhuska Rd., 30 ft., F. A. P. 152-A, Osage Co. $60,000; 6.28 mi. Ponca City-Pawhuska Rd., 30 ft., F. A. P. 152-F, Osage Co. $65,000; 7.7 mi. Purshing-Barnsdall Rd., 30 ft., F. A. P. 153-A and B, Osage Co. $75,000; 5.51 mi. Cleveland-Keystone Rd., 30 ft., F. A. P. 85-B, Pawnee Co. $55,000; 7.01 mi. Oologah-Verdrigris River Rd., 30 ft., S. A. P. 2-E, Rogers Co. $45,000. J. M. Page, highway engr.

Okla., Clinton—Mar. 3, by City Clerk, grading, Willite on 4 in. bituminous surfacing, etc., 13th St. $39,947.

Okla., Clinton—Mar. 10, by City Clerk, grading, Willite on 4 in. bituminous surfacing, etc., Modell Ave. $34,826. Noted Jan. 29.

Okla., Oklahoma City—Feb. 24, by W. A. Jackson, clk. Oklahoma Co., grading and vertical fibre brick surfacing 53,600 sq.yd. Edmond-Guthrie Rd. between Edmond and Ligan Co., line, $160,000; grading and concrete surfacing 69,750 sq.yd. East 23rd St. road between Choctaw and Lincoln Co. line, $170,000. R. S. James, Court House, engr.

Okla., Wilburton — Mar. 2, by T. A. Brown, city clk., grading and concrete surfacing 10,450 sq.yd. Main St. $39,400. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

California—Mar. 2, by State Hy. Comn., Sacramento, widening 8.3 mi. highway between Woodland Wye and Woodland, and 4.5 mi. highway between Putah Creek and Davis, Yolo Co., concrete and crushed gravel or stone shoulders. R. M. Morton, Forum Bldg., Sacramento, highway engr.

CONDUIT—BROOKLYN, N. Y.

Following are lowest three bids opened Feb. 3 by Bd. Water Supply, Municipal Bldg., New York, for constructing Sect. 2 of Williamsburg Conduit of Catskill Aqueduct, Contr. No. 218, (A) Peter F. Connolly Co., 209 Pape Bldg., Stapleton, S. I.; (B) Arthur A. Johnson Corp., 3rd St. and West Ave., Long Island City; (C) Booth & Flinn, Ltd., 17 Battery Pl., New York. The unit bids are as follows:

	A	B	C
38,000 cu.yd. earth excavation and refilling not included in item 2	$3.00	$6.44	$7.00
36,000 cu.yd. earth excavation and refilling in shafts of tunnels, under tracks and sewers and in close-sheeted trench	3.00	6.44	9.00
4,800 cu.yd. rock excavation	4.00	1.00	5.00
2,200 cu.yd. excavation of shafts in rock	25.00	30.45	11.00
1,850 cu.yd. excavation of tunnels in rock	20.00	27.45	13.00
500 M. ft. B.M. timber and lumber	50.00	40.00	50.00
1,000 lin.ft. timber piles	1.00	1.50	1.25
Underpinning buildings (lump sum)	15,000.00	14,000.00	19,200.00
10 M. ft. B.M. temporary timbering in shafts and tunnels	75.00	75.00	150.00
Restoring sewer outfall (lump sum)	5,000.00	400.00	2,000.00
11,360 lin.ft. 72-in. steel pipes, ½-in. plate, with bitumastic coating inside and outside	45.10	35.00	32.50
3,000 lin.ft. 72-in. steel pipes, ½-in. plate, to be covered with concrete masonry	45.10	35.00	37.50
140 ton cast-iron pipes, straight hub-and-spiget	100.00	110.00	100.00
100 ton cast-iron hub-and-spigot pipe specials	200.00	240.00	200.00
30 ton cast-iron flanged pipes and specials	250.00	240.00	250.00
70 ton cast-iron valve-boxes, manhole heads and covers	150.00	120.00	100.00
63,000 lb. steel castings	.30	.30	.30
300,000 lb. caring for and setting metal-work furnished by the city	.02	.03	.03
1 48 x 36 x 72-in. Venturi meter	30,000.00	13,500.00	12,000.00
6 20-in. pressure-regulating valves	5,000.00	2,000.00	1,600.00
1 24-in. pressure-regulating valve	6,000.00	2,500.00	2,000.00
125,000 lb. structural and reinforcing steel	.10	.09	.10
500,000 lb. steel sheet piling	.06	.04	.06
25,000 lb. miscellaneous cast iron, wrought iron and steel	.20	.14	.25
440 lin.ft. forms for outer lining of shafts	5.00	10.00	10.00
18,500 bbl. portland cement	2.50	3.25	2.60
5,500 cu.yd. concrete and brick masonry	20.00	19.00	15.00
3,000 cu.yd. concrete masonry under pavements and curbs	8.00	9.00	10.00
2,000 cu.yd. concrete masonry in shafts	15.00	12.00	10.00
1,400 cu.yd. concrete masonry in tunnels	15.00	15.00	20.00
40,000 sq.ft. mortar lining	.33	.50	.40
100 cu.yd. mixing and placing grout	15.00	30.00	25.00
475 replacing water services, 2-in. and smaller	10.00	10.00	5.00
650 cu.yd. crushed stone and gravel for drains and ballast	2.90	5.00	3.50
9,000 lin.ft. vitrified pipes, 3-in. to 12-in. in diameter	1.00	1.20	1.00
3,000 lin.ft. vitrified pipes, 15 to 24 in. in diameter	3.00	4.00	2.00
400 lin.ft. cement pipes, 30 to 36 in. in diameter	7.00	9.75	15.00
5,500 sq.yd. temporary granite block pavement	2.00	.75	1.00
1,000 sq.yd. temporary macadam pavement	1.50	1.80	1.50
10,000 sq.yd. temporary cinder pavement	.75	.40	.50
6,000 sq.yd. temporary sidewalk surfacing	.90	.40	.50
11,000 sq.yd. asphalt pavement	2.00	2.00	3.00
600 sq.yd. wood block pavement	4.00	4.25	3.50
5,400 sq.yd. granite block pavement	5.00	2.00	2.50
4,500 sq.yd. flag sidewalks and cross-walks	2.50	1.25	2.50
3,500 sq.yd. cement concrete sidewalks	3.00	3.60	3.00
1,500 lin.ft. curb	2.00	.65	2.00
Engineer's office (lump sum)	2,000.00	4,000.00	5,000.00
Extended totals	$1,597,121	$1,653,633	$1,692,150

Streets and Roads (Continued)

California—Mar. 9, by State Hy. Comn., Sacramento, concrete paving 5.3 mi. and widening with concrete shoulders 1.1 mi. road between Merced River and Buhach, Merced Co. R. M. Morton, highway engr.

Calif., Colusa—Feb. 24, by T. D. Cain, clk., Colusa Co., improving road between Colusa Rd. and Butte Creek school, Rd. 60, 10,770 cu.yd. unclassified roadway embankment. J. M. Felkner, Colusa, co. engr.

Calif., San Anselmo—Town Trustees taking bids improving streets in Morningside Court, 9,200 cu.yd. grading, excav., 88,740 sq.ft. grading surface and 5 in. concrete paving, etc. To exceed $25,000. J. J. Jessup, city engr.

Calif., Vallejo—City Council taking bids 22 mi. 22 or 24 in. pipe line, under following schedules (1) furnish pipe in place, trench and backfill (2) furnish and lay (3) furnish pipe (4) excavate and backfill only (5) furnish four 22 or 24 in. and large quantity of smaller gate valves also blow-off valves (6) furnish pipe fittings, gaskets and castings (7) furnish 3 Venturi meters, two 22 in. or 24 in. and one 14 in. (8) furnish quantity ordinary meters. A. Kempkey, Hobart Bldg., San Francisco, engr. Noted Jan. 22.

BIDS RECEIVED

N. Y., New York—J. Miller, pres. Manhattan Boro., Feb. 11, curbing and flagging Chittenden Ave., from M. Del Balso, 660 East 221st St. $38,978; asphalt repaving Amsterdam Ave., from Gaffney Constr. Co., 450 East 91st St., $82,926; widening and granite block repaving 14th St., from C. Helbock, 633 Wales Ave., $100,579; granite block repaving 34th St., from Poirier Contg. Co., 1476 Bway., $68,057. Noted Feb. 12.

Pennsylvania—State Dept. Hys., Harrisburg, Feb. 7, **(R. means Route and A. Appliation)**, rein.-con. surfacing R. 27, Centre Co., from Reitz Bros., 253 Walnut St., Sunbury, $121,659; R. 92, Clarion Co., from Connell, Laub & Bracht, 51 Woodcrest Ave., Dayton, O., $325,818; R. 115, Washington Co., from Hardy & Rankin Co., 40 Murdock St., Cannonsburg, $85,040; R. 14, Susquehanna Co., from D. Schoentag, Inc., Saugerties, N. Y., $516,775; R. 211, A. 2899 and 3223, McKean Co., from J. F. Morgan Co., Olean, N. Y., stone $239,643, gravel $234,-271; R. 164, Monroe Co., from R. L. Bonham Co., Bridgeton, N. J., $505,852; R. 62, Sect. A, Clearfield Co., from Avery & Bailey, Philipsburg, $339,990; R. 95, Warren and McKean Counties, from J. C. Devine Co., Alliance, O., $451,937; R. 63, Indiana Co., from James & Nicholson Co., Inc., Johnstown Trust Bldg., Johnstown, $401,746; R. 184, Luzerne Co., from D. W. Davis & Son, 19 Union St., Kingston, $178,059; R. 112, Fayette Co., from Donora Constr. Co., Donora, $121,367. Noted Jan. 22.

Pennsylvania—State Dept. of Hys., Harrisburg, Feb. 6, **(R. means Route and A. Application)**, R. 47, Bedford Co., from C. Winters Constr. Co., Butler, $291,313; A. 1041, Indiana Co., from Rood Constr. Co., Lyric Theatre Bldg., Butler, $102,542; R. 88, Warren Co., from H. E. Bunce, 125 Fulton St., Olean, N. Y., $383,804; R. 100, A. 3236, McKean Co., from D. L. Dennis, Smethport, $82,851; R. 164, Carbon Co., from McInerney & McNeal, Inc., 703 Northampton Natl. Bank Bldg., Easton, $190,772; R. 107, Centre Co., from Miller Constr. Co., Spirit Bldg., Punxsutawney, $841,599; R. 85, A. 3066-3067, Erie Co., from C. H. Frye Constr. Co., 609 West 19th St., Erie, $115,982; R. 245, Blair and Centre Counties; from J. M. Hutchison, Altoona, $410,826; R. 199, Schuylkill Co., from W. B. Sheidy, Berne and Hobart Sts., Wyomissing, $539,457; R. 161, Northumberland Co., from W. M. Moser, 121 North Oak St., Mt. Carmel, $77,705; R. 181, Westmoreland Co., from Frazier & Mansfield, 341 6th St., McKeesport, $166,358. Noted Jan. 22.

North Carolina — State Hy. Comn., Raleigh, Jan. 27, grading, and concrete or asphaltic paving 11.14 mi. State Project 642, Iredell Co., from Stearns Bros., Inc., Statesville, $449,348; 13.777 mi. State Project 284, Wayne Co., from Noll Constr. Co., Charlotte, $416,629. Noted Jan. 22.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, gravel surfacing 7.3 mi. State Project 411 B, Minden-Spring Hill Highway, Webster Parish, from N. M. George Constg. Co., Dubach, $40,634, Ruston-Farmerville Highway, Lincoln Parish, from Alexandria Constr. Co., Alexandria, $20,846; 3 culverts on Webster Parish from W. A. Johnson & Co., Bunkie, $12,338. Noted Jan. 8.

O., Cincinnati—Hamilton Co., Feb. 13, grading and rein.-con. paving 19,420 sq.yd. Wesselman Rd., from F. Moore, Newport, Ky., $98,922. Engrs. est. $104,674. Noted Feb. 5.

Michigan — State Hy. Dept. at office Comrs. Huron Co., Bad Axe, Feb. 4, graveling 7 mi. Assessment Dist. Rd. 189, from H. Graham, Bad Axe, $52,909.

Wis., La Crosse—Bd. Pub. Wks., Feb. 12, paving various streets, from A. Larsen & Co., 418 Barstow St., Eau Claire, concrete $100,700; from Andrew Asphalt Paving Co., Hamilton, O., asphaltic concrete $102,300; from T. E. Wooley, 148 West Ave., brick $120,000. Noted Feb. 5.

Tex., Baird—Callahan Co., grading and bridging, 8.39 mi. State Highway 1, Federal Aid Project 52-E, 26 ft., from Jordan Constr. Co., Plainview, $27,147. Engrs. est. $36,500. Noted Jan. 22.

Tex., Jacksboro—Jack Co., grading and bridging, etc. 12.8 mi. State Highway 25, Federal Aid Project 568. 26 ft., from Trimble & Graham, Denton, $67,171. Engrs. est. $55,000. Noted Jan. 22.

Okla., Pauls Valley—Grading and graveling 14,500 sq.yd. Cherry and Pecan Sts., from G. M. Stone, Box 291, El Reno, $27,-083. Engrs. est. $27,410. Noted Jan. 29.

Calif., Los Angeles—From Griffith Co., Railway Bldg., improving Ave. 54, between Work Blvd. and Pasadena Ave., grading $6,000, 126,830 sq.ft. asphaltic concrete paving at 0.217 per sq.ft., 54,654 sq.ft. 6 in. concrete paving $0.20, etc., total $56,658.

Calif., Oakland—From Heafy, Moore, McNair, 2030 High St., improving 81st Ave. between East 14th and Atherton Sts., 136,-133 sq.ft. grading at $0.029 per sq.ft., 6,369 ft. concrete curb $0.68, 12,285 ft. concrete gutter $0.25, 107,944 sq.ft. bituminous concrete $0.19, etc.

Calif., Venice—Improving Leona Blvd., from Fry Bros. Constr. Co., 2905 East 3rd St., Long Beach, 388,000 sq.ft. 2 in. sheet asphalt paving at $0.25 per sq.ft., 388,000 sq.ft. 7 in. concrete base $0.223, 6,000 lin. ft. heavy curb $0.73 and $0.75 16,000 sq.ft. sidewalks $0.18, etc., total $139,006. Engrs. est. $135,422. Noted Feb. 5.

CONTRACTS AWARDED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, asphalt repaving East 5th St., to M. J. O'Hara, 557 3rd St., $48,-587, Sumner and Wilson Aves., to Highway Impvt. & Repair Co., 50 Church St., New York City, $166,388 and $35,015 respectively; asphalt resurfacing by heater method Adelphia St. and Foster Ave., to Cranford Co., 52 9th St., $82,188 and $84,556 respectively. Noted Feb. 12.

Pa., Pittsburgh — Grading, paving and curbing, etc., Mt. Washington Roadway from Merrimac St. to point 600 ft. from Liberty Tunnels, to Vang Constr. Co., Bessemer Bldg., $351,750. Engrs. est. $350,000.

N. C., Windsor—J. M. Gatlin, mayor, improving various streets, 10,000 sq.yd. concrete or asphaltic paving and 7,000 sq.yd. concrete sidewalks, 1,200 ft. combined curb and gutter, storm drainage, etc., to McGuire Constr. Co., Bankers Trust Bldg, Norfolk, Va. Noted Dec. 4.

S. C., Newberry—Asphalt paving 60,000-80,000 sq.yd. various streets, to Southern Paving Constr. Co., Vol. Life Bldg., Chattanooga, Tenn., approximately $300,000.

S. C., Saluda—Saluda Co., grading, etc., 4.945 mi. State Route 19, to N. M. Dorn, Augusta, Ga., $40,389. Noted Feb. 12.

Fla., Tampa—W. G. Williams, chn. Bd. Comrs., Hillsborough Co., to Cone Bros, Tampa, 2½ in. asphalt block paving 38,392 sq.yd. Cypress St. $96,500, 16,226 sq.yd. Horatio, Maryland and Sleepy Hollow Sts. $41,550, 29,117 sq.yd. Gray St. $73,000.

Fla., Tampa — City Comn., improving portion of West Lafayette and Madison Sts., 2½ in. asphalt blocks on 6 in. base and 2 in sand cushion, remove and relay 7,275 sq.yd. and reset 4,675 ft. curbing, to Cone Bros., Tampa, $26,479. Noted Nov. 13.

Alabama—State Hy. Dept., Montgomery, hard-surfacing approximately 2 mi. Newbern-Wedgeworth-Greensboro Rd., 18 ft., to Mitchell Bros., Amer. Trust Bldg., Birmingham, $44,713. Engrs. est. $45,000. Noted Nov. 27.

La., Gretna — Police Jury Jefferson Parish, sheet asphalt paving 3.7 mi. road through Metairie Ridge and Shrewsbury sections of Jefferson Parish, to E. J. Deas & Co., St. Charles Hotel, New Orleans, $104,000. Noted Dec. 25.

La., New Orleans—Subsurfacing portions of Alvar, Erato. Elysian Fields, Galvez, Gaiennie, Melpomene, Robertson and St. Joseph Aves., to E. J. Deas Co., Shreveport, Erato, Elysian Fields, Fontainbleau, Gravier, LaSalle, Liberty, Perdido Aves., and Rampart-St. Claude cut-off, to J. O. Chisolm & Co., 4126 Banks St., Constance and Layola Aves., to Mitchell & Sons, New Orleans, Oak Ave. to J. D. O'Reilly, New Orleans, St. Joseph Ave., to Williams Eng. Co., New Orleans, total $559,041; paving 20,600 sq.yd. vitr. brick in Alvar, Galvez and Robertson N. Aves., 19,960 sq.yd. bitulithic in constance, Elysian Fields and Melpomene Aves., 8,500 sq.yd. Uvalde on Fontainbleau Dr. and Layola Ave., 2,220 sq.yd. Warrenite on LaSalle Ave., to E. J. Deas & Co., Shreveport, 11,780 sq.yd. vitr. brick on Erato and Gaiennie, Aves., to H. Reynolds, Maison Blanche Bldg., 35,600 sq.yd. Cascemco paving on Gravier, Liberty, Oak and Perdido Aves., and Rampart-St. Claude cut-off, to Craven & Lang Co., Carondelet Bldg., 3,190 sq.yd. Uvalde paving on Howard Ave., to Southern Uvalde Co., New Orleans, 1,740 sq.yd. granite-block paving on St. Joseph Ave., to Globe Constr. Co., La Belle St., total $534,140. The above contracts recently awarded are for first half of paving program for 1924, bids were opened Sept. 16.

Tenn., Pulaski—City will surface various city streets, rock asphalt on macadam, by day labor, under supervision of B. H. Klyce & Co., engrs., 4th and 1st Natl. Bank Bldg., Nashville. $100,000. Noted Feb. 12.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing 18.47 mi. Route 23, Sects. 23, 25 and 26, McHenry and De Kalb Counties, to Harrison Eng. Co., Mutual Bldg., Kansas City, Mo., $372,325, 31.12 mi. Route 2, Sects. 25, 37, 38 and 39, Winnebago and Lee Counties, and Route 19, Sect. 27-W, McHenry Co., to McCarthy Impvt. Co., 802 Kahl Bldg., Davenport, Ia., $640,320 and $8,973 respectively, 12.53 mi. Route 32, Sects. 4 and 5, Moultrie Co., to O. McMahon, Rochester, Ind., $247,500, 11.79 mi. Route 13, Sects. 25 and 27, St. Clair Co., to Mautz & Oren, Inc., Effingham, $262,800; grading 71,485 cu.yd. Route 2, Sect. 77-A, Winnebago Co., to S. J. Groves & Sons, Montreal St. and Cleveland Ave., Minneapolis, Minn., $39,534; two 30 ft. and one 50 ft. span steel substructure and one 16 ft. slab bridge, to Zimmerly Bridge Co., Paris, $10,-972, two 30 ft. and one 50 ft. span, steel superstructure, to Illinois Steel Bridge Co., Jackson, $6,153. Noted Nov. 27 and Dec. 25.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to Trompeter & Sons, Peru, concrete surfacing 8.81 mi. Route 7, Sects. 14 R-4 and R-5, Bureau Co., $168,500, to Smith Bros., Inc., Amer. Exch. Bldg., Dallas, Tex., 11.3 mi. Route 32, Sects. 1 and 2, Moultrie and Shelby Counties, $172,000, 7.6 mi. Route 16, Sect. 21, Montgomery Co., $140,676, and 16.76 mi. Route 25, Sects. 8, 9 and 10, Wayne and Clay Counties, $343,768, to Schuster Constr. Co., Denmark, Wis., 12.64 mi. Route 5, Sects. 24, 25 and 26, Jo Daviess Co., $257,464, to W. C. Johnson, Belleville, 6.96 mi. Route 16, Sect. 22, Montgomery and McCoupin Counties, $146,306, to Cameron, Joyce & Co., Keokuk, Ia., 16.38 mi. Route 41, Sects. 11, 12 and 13, Fulton, McDonough and Knox Counties $326,366; to S. J. Groves & Sons Co., Montreal St. and Cleveland Ave., Minneapolis, Minn., grading 4.87 mi. Route 31, Sect. 15-A, Fulton and Schuyler Counties, 159,157 cu.yd. excav., $98,274, to Louis Rich Constr. Co., Harrisburg, 6.53 mi. Route 14, Sect. 10-A, White and Hamilton Counties, 84,245 cu.yd. excav., $48,975. Noted Dec. 11 and 25.

Minn., St. Paul—Paving Hampden Ave., to W. A. Peterson & Ganley Bros., 506 Endicott Bldg., $67,107; Minnehaha St., to White Constr. Co., 17 North Dearborn St., Chicago, Ill., $81,120. Noted Jan. 15.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, concrete alleys, five, to Eyermann Constr. Co., 1216 South Grand Blvd., $17,-209; six, to Perkinson Bros. Constr. Co., 3237 Carter Ave., $22,983; four, to Skrainka Constr. Co., Security Bldg., $15,-345; grading alley in City Block 3269, to Webb-Kunze Constr. Co., 5927 Fyler Ave., $2,055. Noted Feb. 5.

Tex., Carthage—Panola Co., grading and bridging 6.77 mi. Federal Aid Project 458, to Tibbetts Constr. Co., Mineral Wells. Engrs. est. $79,800.

Tex., Houston—Graveling Live Oak, McGowan and 18th Sts., to A. M. Arnold, 2409 Cochran St., $25,350. Engrs. est. $25,000.

Tex., Plano—Paving 3 in. brick on 5 in. concrete various streets, to Thurber Paving Co., F. & M. Bank Bldg., Ft. Worth, $26,-409. Engrs. est. $30,000. Noted Feb. 12.

Okla., Oklahoma City—Grading, hard-surfacing, etc. Avenue E from Robinson to Shields Sts., to M. A. Swatek & Co., Security Bldg., Oklahoma City, $19,215. Noted Jan. 22.

Nevada — Directors Dept. Hys., Carson City, improving 5.72 mi. highway from Smiths Corners to West Co. line, Route 3, Sec. D-2, Contr. 118, Lyons Co., 25,000 cu.yd. excav., 8,100 cu.yd. load and screen gravel, 13,700 yd. mi. haul gravel, $8,100 cu.yd. spread gravel, etc., to J. Ross, Yerington, $41,435. Noted Jan. 29.

Wash., Port Angeles—Clallam Co., grading, etc. 4.7 mi. State Highway 5, 103,386 cu.yd. earth excav., 13,470 yd. overhaul 3,174 lin.ft. concrete culverts, etc., to G Banderet, Bryn Mawr. $67,200. Engrs. est $70,000.

Streets and Roads (Continued)

Calif., Los Angeles—To Griffith Co., Railway Bldg., improving Hollenbeck Ave. between Mines Ave. and Rio Vista St., grading $60,000, 580,750 ft. 6 in. concrete paving at $0.18 per ft., 17,512 ft. concrete curbs $0.55, 91,408 ft. sidewalks $0.17, 2,520 ft. concrete gutters $0.25, etc., total $272,429.

Calif., San Leandro — Improving Begler and Haas Aves., 90,500 sq.ft. macadam with oiled surface, 5,330 ft. concrete curb, 7,150 sq.ft. concrete gutters, 4,803 lin.ft. 4, 6 and 8 sewers, to Hutchinson Co., Hutchinson Bldg., Oakland.

Buildings—Industrial

PROPOSED WORK

Mass., Chelsea—Factory—Panco Rubber Co., Highland St., having sketches made by Schein & Levine, archts. and engrs., 508 Pemberton Bldg., Boston, 1 story, 50 x 60 ft., brick and steel addition.

Mass., Lowell—Plant—W. M. Wilder Iron Co., plans rebuilding plant, Western Ave., recently destroyed by fire. $40,000 Engineer and architect not selected.

Mass., Woburn—Plant—Merrimac Chemical Co., 148 State St., Boston, plans (1st unit) plant addition, here. $250,000 Engineer and architect not selected.

Pa., McDonald — Factory — Pittsburgh File & Steel Co. having plans prepared 1 story, 45 x 360 ft., brick on hollow tile factory. $100,000. Private plans.

Fla., South Jacksonville—Plant—Election Mar. 4, $56,000 bonds for power plant. P. C. Marion, chn. city council.

Fla., Tampa—Plant—Tampa Bd. Trade, City Hall, plans 13 story, 45 x 120 ft. plant, Park St. $300,000. M. L. Elliot, Citizens Bank Bldg., archt.

La., Gretna—Plant—Election soon $160,000 bonds, for electric light plant.

La., New Orleans—Factory—Fleischmann Yeast Co., Camp and Thalia Sts., having plans prepared by W. C. Keenan, Liverpool, London & Globe Insurance Bldg., for factory and garage. $50,000.

O., Dayton—Storage and Refrigeration—Harry & Lewis, 4th and St. Clair Sts., plan 4 story, 105 x 202 x 210 ft., rein.-con. storage and refrigeration building, plain foundation. $250,000. Engineer and architect not selected.

O., Euclid—Factory—Euclid Wood Products Co., L. H. Verbsky, pres., 19,422 Nottingham Rd., plans 1 story, brick and steel addition. $40,000. Private plans. This corrects report in Jan. 29 issue.

O., Wellsville—Foundry—Stevenson Fdry. Co., plans 1 story addition, Bway. $50,000.

Wis., Chippewa Falls — Factory — Chippewa Shoe Mfg. Co., J. Piotrowski, mgr., 36 West River St., plans 2 story and basement, brick and timber, plain foundation. $40,000. Engineer and architect not selected.

Wis., Milwaukee—Heating Plant—See "Buildings—Commercial."

Wis., Platteville—Cannery—W. Thompson plans 2 story, rein.-con. and brick cannery. $40,000. Engineer and architect not selected.

Minn., Mankato — Plant — Mankato Lime Co., E. D. Coughlin, secy., plans brick plant $40,000. Engineer and architect not announced.

Minn., Minneapolis—Factory—North Star Woolen Mills Co., W. G. Northrup, pres., 218 South 2nd St., having plans prepared 6 story, brick and steel, 218 South 2nd St. $175,000. Engineer and architect not announced.

Tex., San Angelo — Ice Plant — See "Buildings—Commercial."

Colo., Denver — Laundry and Cleaning Plant—**Victory Laundry & Cleaning Co.**, West 12th Ave. and Santa Fe Dr., having plans prepared by G. M. Musick, Foster Bldg., 2 story, 68 x 100 ft. laundry and cleaning plant. $150,000.

Colo., Denver—Factory, etc.—Natl. Biscuit Co., 19th and Blake Sts., plans first unit of large plant, incl. factory and office building. $1,000,000. Private plans.

California—Factory—American Plywood Co., c/o C. Rosenthal, 1536 Grove St., San Francisco, plans plywood factory, in Contra Costa Co. To exceed $40,000.

Calif., Delano—Plant—Central California Ice Co., Mono and P Sts., Fresno, plans (1st unit) 1 story, 75 x 150 ft. ice plant.

Calif., Fresno—Maintenance Shop, etc.—State of California, c/o Highway Comn., Sacramento, having preliminary plans prepared approximately 60 x 120 ft. maintenance shop, plant and division office building, Olive Ave. and Southern Pacific R.R. tracks, $50,000. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Los Angeles—Factory—Albertson Motor Car Co., 1540 South Figueroa St., having plans prepared by J. M. Cooper, Marsh-Strong Bldg., 2 story, 200 x 300 ft., rein.-con., 50th St. and Long Ave. $200,000.

Calif., Los Angeles — Plant — McClintic-Marshall Co., c/o W. B. Kyle, vice-pres., 426 South Spring St., having plans prepared by O. L. Clark, 1418 Chapman Bldg., group of buildings, incl. steel and corrugated iron crane runway, steel and corrugated iron and brick auxiliary building and 2 story, brick office building, 110th St. and Central Ave.

Calif., Los Angeles—Shop—Dept. Pub. Serv., c/o Bureau of Light and Power, 207 South Bway., having plans prepared 3 story, 85 x 320 ft., rein.-con., North Main St. To exceed $150,000. Private plans.

Calif., Salinas—Plant—Interests, c/o W. Voss, pres. Salinas Beverage Co., plans remodeling present brewing plant into ice plant, North Main St. $50,000.

Calif., San Francisco — Laundry — Sanitary Laundry Co., 15 McCoppin St., plans to convert baking plant into laundry, and construct annex etc., O'Farrell St. near Divisadero St.

Calif., San Francisco — Mill, etc. — R. Crothers, Monadnock Bldg., plans 2 story, brick and rein.-con. mill and loft, Mission St. near 14th St. To exceed $40,000. Engineer and architect not selected.

Calif., Watsonville—Cold Storage Plant—Pajaro Valley Cold Storage Co., 2nd and Walker Sts., plans 100x300 ft., rein.-con. and brick annex.

Ont., Toronto—Plant—Firstbrook Bros., 283 King St. E., purchased site and plans constructing factory in York Twp. $200,000.

B. C., Vancouver—Plant—Vancouver Ice & Cold Storage Co., Gore Ave., having plans prepared by McCarter & Nairne, 509 Richards St., 6 story, 84 x 84 ft., rein.-con. cold storage plant, plain foundation, Gore Ave. and Railway St. $150,000.

BIDS DESIRED

Mass., Charlestown (Sta. Boston) — Factory—Wright Ziegler Co., 70 Spice St., taking bids altering and constructing brick addition, Spice St. To exceed $40,000. Monks & Johnson, 99 Chauncy St., Boston, archts. Noted Aug. 7.

Mass., Somerville (Boston P. O.) — Factory—E. F. Kemp, Skelton Ave., taking bids 2 and 3 story, 35 x 65 ft., brick addition. $45,000. W. Sidebottom, 101 Tremont St., Boston, archts. Noted Feb. 12.

Mass., Worcester—Factory—L. Krintzman, Harrison St., taking bids 4 story, 40 x 50 ft., brick and timber addition, Water and Harrison Sts. $40,000. E. T. Chapin, 340 Main St., archt.

N. Y., Corona (Sta. Flushing)—Shop—Feb. 27, by Bd. Transportation, 49 Lafayette St., New York City, 540 tons riveted steel and 210 tons steel beam, for inspection shop, here.

Pa., Morganza — Laundry — Feb. 26, by Penna Training School, W. F. Penn, supt., 1 story and basement, 80 x 90 ft., laundry. $150,000. F. McCrooks, 541 3rd Ave., Pittsburgh, archt.

Md., Baltimore—Factory—Feb. 24, by Parker, Thomas & Rice, archts., Union Trust Bldg., 1 story, 102 x 136 ft., brick factory, plain foundation, Hamburg and Bayard Sts. for Standard Gas Equipment Corp., c/o architects. $60,000.

Md., Baltimore—Bakery—Feb. 20, by A. C. Radziszewski, archt., Knickerbocker Bldg., 3 story, 50 x 75 ft., brick, plain foundation, Cole and Mount Sts., for Maryland Baking Co., 317 North High St. $65,000.

Wis., Milwaukee—Manufacturing—Seaman Body Corp., 1732 Richards St., taking bids 5 story, 102 x 400 ft., brick and timber, plain foundation, Richard St. Private plans.

BIDS RECEIVED

N. Y., Coney Island (Sta. Brooklyn) — Shop—Bd. Transportation, 49 Lafayette St., New York City, Feb. 13, foundations for main repair shop, here, from A. A. Johnson Corp., Queens Blvd., Long Island City, $579,000; enclosure of electrical repair shop, from J. H. Duncan, Inc., 5718 2nd Ave., Brooklyn, $192,400. Noted Feb. 12.

CONTRACTS AWARDED

Mass., Boston — Repair and Service Garage—Gilbert & Levine, c/o S. S. Eisenberg, archts., 46 Cornhill St., will build 2 story, 80 x 100 ft., rein.-con., Vancouver St. and Huntington Ave., by day labor. $100,000.

Mass., Lawrence — Factory — J. Wrinn, Andover St., 2 story brick and timber, Andover St., to J. Driscoll, Andover. Archts. est. $40,000.

N. Y., Buffalo—Repair Shop—Delaware, Lackawanna & Western R.R., Baldwin St., 1 story, 105 x 690 ft., steel repair shop, Hallstead Ave., to A. W. Bowles, Binghamton, $400,000.

N. Y., New York — Factory — Bell Telephone Laboratory, 463 West St., 11 story, rein.-con., brick and steel, plain foundation, Washington St., to Tidewater Co., 14 East 33rd St. Archts. est. $600,000.

Pa., Greenville—Plant—Greenville Dairy Co., general contract 2 story and basement, 48 x 101 ft. dairy plant, to Keelan & Bart, Greenville. Archts. est. $40,000. Noted Jan. 29.

Pa., McKees Rocks—Plant—Henderson Structural Units Co., general contract 1 story brick plant, to J. H. Fetterman, Park Bldg., Pittsburgh. Engrs. est. $40,000.

Md., Towson (br. of Baltimore)—Factory—Black & Decker, 1 story, 100 x 200 ft., brick and steel, plain foundation, to W. H. Sands, East Pennsylvania Ave. Archts. est. $70,000.

Va., Martinsville—Plant—Southern Virginia Power Corp., hydro-electric plant, incl. power house to contain three 1,200 hp. units, Ambursen dam, 700 ft. long, about 50 ft. high etc., on Smith River, near here, to Ambursen Constr. Co., Inc., Engineer-Constructors, Grand Central Terminal, New York City, N. Y.

La., Shreveport — Plant — Southwestern Gas & Electric Co., Shreveport, excav. work for Plant 2, to Gifford Constr. Co., Dallas, Tex.; water lines, to U. S. Cast Iron Pipe & Fdry. Co., Amer. Trust Bldg., Birmingham, Ala.; structural steel, to Worden-Allen Co., Pt. Washington Rd., Milwaukee, Wis.; pumps and condensers, to Worlington Machy. Co., Harrison, N. J.; spray pond equipment, to Spray Eng. Co., 60 High St., Boston, Mass.; boilers, to Heine Boiler Co., 5319 Marcus St., St. Louis, Mo.; and turbines, to General Electric Co., Shreveport. Total est. cost $615,000.

Tenn., Hollow Rock Junction (mail Hollow Rock)—Round House—Nashville, Chattanooga & St. Louis R.R. Co., 1000 Bway., Nashville, rebuilding rein.-con. roundhouse, here, recently destroyed by fire, to Gould Constr. Co., Independent Life Bldg., Nashville, approximately $50,000.

O., Cleveland—Factory—Ferbert-Schondorfer Co., Elmwood Ave., 3 story and basement, 50 x 60 ft., brick and steel addition, 12815 Elmwood Ave., to Austin Co., 16112 Euclid Ave. Archts. est. $40,000. Noted Feb. 12.

O., Dayton—Factory—Telling-Belle Vernon Co., 3825 Cedar Ave., 2 story and basement, 50 x 112 ft., ice cream factory, brick, steel and concrete, to H. R. Blagg Inc., 1229 East 3rd St., Dayton. Archts. est. $80,000.

Wis., Jefferson Junction — Mill — Ladish Co., 105 Wells St., Milwaukee, rebuilding 4 story, brick, plain foundation, recently destroyed by fire, to Burrell Eng. & Constr. Co., 513 West Jackson Blvd., Chicago, Ill. Engrs. est. $50,000. Noted Jan. 1.

Wis., Milwaukee — Plant — Everpure Ice Co., 1500 Walnut St., 2 story, 40 x 100 ft., brick and timber addition, plain foundation, to C. Harp, 1157 49th St., Milwaukee. Archts. est. $40,000. Noted Jan. 22.

Wis., Milwaukee — Factory — Lindsay Bros., 78 Reed St., plans rebuilding 3 story, 65 x 137 ft., brick and timber or brick and concrete factory an old foundation, Reed St., recently destroyed by fire, by day labor. Engineer and architect not selected.

Wis., Wauwatosa — Plant — Economy Block Co., 7th and East North Aves., 1 story, 40 x 100 ft., concrete block, plain foundation, State St., to J. Norwood, 258 Wauwatosa Ave. Archts. est. $40,000.

Ia., Sioux City—Machine Shop—Albertson Co., 3100 Floyd Ave., general contract 2 story, 150 x 165 ft., concrete and steel addition, to Coomer & Small, 312 United Bank Bldg., Sioux City. Archts. total est. $50,000. Noted Jan. 22.

Mo., St. Louis — Factory — Brocksmith Mfg. Co., 1860 Menard St., 1 story, 52 x 129 ft., brick and concrete factory 2118-20 South 7th St., to G. Moeller, 3520 Itaska St.

Mo., St. Louis—Factory—St. Louis Rust Proof Co., 514 South Bway., 60 x 160 ft., brick and concrete factory, 421 Poplar St., to Grone Constr. Co., 206 Benoist Bldg.

Mo., St. Louis—Factory—J. Berkowitz, 1622 Morgan St., 3 story and basement, 68 x 140 ft., brick and concrete, 1624-28 Morgan St., to Sachse Constr. Co., 4739 Kensington Ave.

Tex., Wellington — Cotton Compress — R. H. Shumaker, Waco, will build new cotton compress, here, by day labor. $50,000. W. S. O'Neil, Wellington, engr.

Calif., Los Angeles—Plant—Lloyd & Casler, 12 story and basement, 70 x 110 ft., rein.-con. textile plant, 8th and Maple Sts., to W. D. Lee, 401 Sun Bldg., approximately $500,000. Noted Feb. 5.

Calif., San Francisco—Factory—Amer. Meter Co., 1123 Harrison St., 3 story, 120 x 120 ft., rein.con., 11th and Bryant Sts., to G. Wagner, Inc., 181 South Park St. $165,350.

Calif., San Francisco—Shop—Manufacturing Building Corp., 268 1st St., 4 story and basement, metal spinning shop rein.-con., Clementina St. near 1st St., to Buschke & Brown, 604 Mission St., $41,365.

Buildings—Commercial

PROPOSED WORK

Me., Auburn—Hotel—City having plans prepared by Gibbs & Pulsifer, 14 Lisbon St., Lewiston, 5 story and basement, 90 x 100 ft., brick hotel, plain foundation. $250,000.

Me., West Pownal — Hospital — State school for Feeble Minded, c/o S. Vosberg, doctor, Lewiston, plans hospital, here. $180,000. Engineer and architect not selected.

N. H., Tilton — Schools — Bd. Trustees Tilton Seminary, raising $250,000 funds for new school buildings. Engineer and architect not selected.

Mass., Attleboro—Store and Office—M. Dana, 809 Pemberton Bldg., Boston, having sketches made by F. A. Norcross, 46 Cornhill St., Boston, 2 story and basement, brick, Park St. $150,000.

Mass., Beverly Farms — Post Office — S. Knight & Son, c/o E. S. Read, archt., 177 State St., Boston, having plans prepared 2 story and basement, brick post office, here. U. S. Government, lessee.

Mass., Boston—Apartment—M. Abrams, 115 Audubon Rd., having plans prepared by Silverman, Brown & Heenan, 51 Cornhill St., 5 story and basement, brick and cast stone, plain foundation, 121 Audubon Rd. $200,000.

Mass., Boston — Office — Bryant Real Estate Trust, c/o F. A. and F. M. Kendall, archts., 45 Bromfield St., plans altering and constructing 5 story and basement, 50 x 80 ft., brick and cast stone addition, 85-91 Court St. $150,000.

Mass., Cambridge — (Boston P. O.) — Apartment—A. Bennett and A. I. Kramer, 431 Putnam Ave., having plans prepared by A. McNaughton, 44 Bromfield St., Boston, 4 story and basement, 150 x 175 ft., brick, plain foundation, Magazine and Chestnut Sts. Noted Jan. 8.

Mass., Danvers—Temple—Masonic Order, having plans prepared by Little & Browne, 114 Federal St., Boston, 2 story and basement, brick and stone, plain foundation, High and Park Sts. $150,000.

Mass., Dorchester (Boston P. O.) — Apartment—D. Finkle, Norfolk St., having plans prepared by S. S .Levy, 35 Court St., Boston, 3 story and basement, 60 x 145 ft., brick and stone, Blue Hill Ave. $160,000.

Mass., Dorchester (Boston P. O.) — Parish and Chapel—Second Congregational Church, V. Dabney, pastor, 6 Melville Ave., plans 2 story parish house and chapel, Codman Sq. $150,000. Engineer and architect not selected.

Mass., Framingham—Convent—Sisters of St. Joseph having plans prepared by T. E. Sheehan, 120 Boylston St., Boston, 3 story and basement, Apple St. $150,000.

Mass., Holden — High School — School Com. having sketches made by Brainard & Leeds, 89 Franklin St., Boston, 2 story and basement, brick and stone high school. $150,000.

Mass., Lexington—Hotel—L. H. Chase, Chubby House Inn, having plans prepared by E. R. B. Chapman, 101 Tremont St., Boston, 2 and 3 story and basement, rein.-con. and brick addition to Chubby House Inn. To exceed $150,000.

Mass., Lynn — Hospital — Lynn Hospital, H. M. Hoague, pres., 528 Beoad St., having sketches made by Kendall Taylor Co., 142 Berkley St., Boston, 3 story, brick, hospital. To exceed $150,000.

Mass., Medford—Club—Medford Council Knights of Columbus, L. G. Gingras, pres., 136 Forest St., raising $150,000 or more funds for club. Engineer and architect not selected.

Mass., Newton (branch of Boston)—School — Mary Immaculate of Lourdes Roman Catholic Church, D. H. Donovan, pastor, Eliot St., having plans prepared by M. P. Meade, 80 Boylston St., Boston, 2 story and basement, brick and stucco, Eliot St. $150,000.

Mass., Randolph — High School — School Com., having preliminary plans prepared by Funk & Wilcox, 26 Pemberton Sq., Boston, 2 story and basement, brick addition, Main St. $150,000.

Mass., Roxbury (Boston P. O.)—Apartment—M. Rubenstein, Howland St., having preliminary sketches made by S. S. Levy, 35 Court St., Boston, 3 story and basement, brick and stone, plain foundation, Howland St. $150,000.

Mass., Somerville — Apartment — A. M. Sherry, c/o S. E. Moffie, archt., 51 Cornhill St., Boston, having plans prepared 3 story and basement, 40 x 50 ft., brick and cast stone, plain foundation, Bway. $300,000.

Mass., Taunton — School — School Com., plans school on site of old Bristol Co. Jail. $500,000. Engineer and architect not selected.

Mass., Wellesley — Dormitory — Wellsley College Building Com., raising $200,000 or more funds for new dormitory, Tower Court Hill. Engineer and architect not selected.

Mass., Williamstown — Fraternity — Psi Upsilon Fraternity, Williams College, having sketches made by Andrews, Jones, Biscoe & Whitemore, 50 Congress St., Boston, 3 story and basement, brick fraternity. $150,000.

Mass., Worcester — Laboratory — Worcester Polytechnic Institute, Boynton St., plans mechanical laboratory. $350,000. Engineer and architect not selected.

R. I., Providence — Hospital — Rhode Island Hospital, 593 Eddy St., having sketches made by Clarke & Howe, Turks Head Bldg., 3 story, rein.-con. and brick wing addition. $150,000 or more.

Conn., Middletown — School — City, S. Russell, chn., plans school, Staddle Hill. $150,000. Engineer and architect not selected.

Conn., New Britain — School — School Comn., J. M. Halloran, chn., plans school, Day and Austin Sts. $150,000. Engineer and architect not selected.

Conn., New Haven—Business—M. Langrock & R. L. Kautz, 839 Chaple St., soon takes bids 1 and 2 story, brick and steel, plain foundation, Temple and Grove Sts. $200,000. A. W. Boylan, 39 Center St., archts.

Conn., Plainville — High School — School Comn., L. S. Mills, chn., plans high school, gymnasium and auditorium. $150,000. Engineer and architect not selected.

Conn., Terryville — Hospital — Plymouth Hospital Trust, c/o R. S. Walker, Colonial Trust Co., Waterbury, plans hospital. $150,000 or more. Engineer and architect not selected.

Conn., Waterbury—Church—Immaculate Conception Roman Catholic Church Parish, W. J. McGurk, pastor, East Main St., having plans prepared by McGinnis & Walsh, Boston, church, West Main St. $300,000. Noted Jan. 29.

Conn., Waterbury—High School—Notre Dame Academy, South Elm St., having plans prepared by J. A. Jackson, 183 Church St., New Haven, high school, South Elm St. $300,000. Noted Jan. 15.

Conn., West Haven—High School—School com., plans high school. $500,000. R. W. Foote, 185 Church St., New Haven, archts.

Conn., Willimantic — Hotel — Community Hotel, J. B. Fullerton, campaign mgr., 692 Main St., plans drive to raise $150,000 plus to finance community hotel, operated by Amer. Hotels Corp.

N. Y., Brooklyn — Trade School — Bd. Educ., 500 Park Ave., New York City, plans brick, steel and stone trade school for girls, 4th Ave. and Pacific St., here. $1,000,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr.

N. Y., Buffalo—Clubhouse—City Federation of Womens Clubs, 88 Ashland Ave., plans clubhouse. To exceed $150,000.

N. Y., Buffalo—Office—W. Jackson, 827 Delaware Ave., plans 5 story, 75 x 115 ft. office building, Delaware Ave. $200,000.

N. Y., Buffalo—Office—C. A. Laube, 31 West Eagle St., plans office building, Niagara St. $150,000.

N. Y., New York—Apartment—Culver Assn., 342 Madison Ave., having plans prepared by Townsend, Steinle & Haskell, archts. and engrs., 8 West 40th St., 9 story, brick, steel and stone, plain foundation, West 99th St. $500,000.

N. Y., New York — Apartment — Primo Building Corp., c/o Authors League of America, Inc., 2 East 23rd St., having plans prepared by E. Fairchild, 2 East 23rd St., 20 story, brick, steel and stone, plain foundation, 34th St. and Lexington Ave. $2,500,000.

N. Y., New York—Bank—Dollar Savings Bank, 2792 3rd Ave., having plans prepared altering and constructing 2 story, brick, steel and stone addition, plain foundation, 3rd Ave. and 14th St. $150,000. Private plans.

N. Y., New York—Hotel—Four Hundred Sixty-Four Corp., c/o H. C. Severance,

SUBWAY—NEW YORK, N. Y.

Following are lowest three bids opened by Bd. Transportation, Municipal Bldg., Jan. 29, for constructing subway in Washington Heights, Sect. 3-A, Route 78, from 122nd to 133rd Sts., (A) Rosoff Eng. Co., 152 West 42nd St.; (B) F. Snare Corp., 114 Liberty St.; (C) Mason Co., 17 West 60th St. The unit bids are as follows:

	A	B	C
186,000 cu.yd. earth excavation below and above el. 100	$9.00	$10.00	$9.90
1,010 cu.yd. earth excavation below and above el. 100 for sewers	9.00	10.00	9.90
62,000 cu.yd. rock excavation below and above el. 100	11.80	13.60	14.40
1,300 cu.yd. rock excavation below and above el. 100 for sewers	11.80	13.60	14.40
29,000 cu.yd. concrete masonry	20.00	24.00	23.00
127,000 sq.ft. rubbing concrete surface	.10	.11	.10
4,900 cu.yd. protective concrete masonry	20.00	24.00	23.00
40 cu.yd. rubble stone masonry	11.50	15.00	18.00
10 cu.yd. dry rubble stone masonry	10.00	13.00	15.00
150 cu.yd. brick masonry	38.00	40.00	50.00
10 cu.yd. hollow tile masonry	38.00	35.00	50.00
100 bbl. grout of Portland cement	5.50	8.00	8.00
25 cu.yd. broken stone	5.00	7.00	5.00
13,000 sq.yd. waterproofing, 1 ply	1.00	1.40	1.00
24,200 sq.yd. waterproofing, 3 ply	3.25	2.30	2.50
100 sq.yd. waterproofing, 4 ply	3.25	3.00	4.00
500 sq.yd. waterproofing, 5 ply	5.30	3.30	5.00
200 sq.yd. waterproofing, 6 ply	6.15	4.00	6.00
100 sq.yd. waterproofing, dry ply	.70	1.20	1.00
1,000 cu.yd. waterproofing brick in asphalt mastic, 1 layer	49.00	50.00	50.00
10 cu.yd. waterproofing brick in ashpalt mastic, 2 layers	45.00	50.00	50.00
600 lin.ft. C. I. pipe class "A", 3-inch	1.50	2.00	1.25
250 lin.ft. C. I. pipe, class "A", 4-inch	2.00	3.00	1.50
750 lin.ft. C. I. pipe, class "A", 6-inch	3.00	3.50	2.50
300 lin.ft. C. I. pipe, class "A" 8-inch	3.20	4.50	3.00
650 lin.ft. C. I. pipe, class "A", 10-inch	3.80	6.00	4.00
2,200 lin.ft. C. I. pipe, class "A", 12-inch	4.75	7.00	5.00
100 lin.ft. galvanized steel pipe, 3-inch	1.25	2.00	1.50
100 lin.ft. galvanized steel pipe, 4-inch	1.70	2.50	2.00
10 lin.ft. galvanized steel pipe, 8-inch	3.00	5.50	4.00
50 lin.ft. galvanized steel pipe, 10-inch	4.00	7.50	5.00
163,300 duct ft. tunnel ducts as per Sect. 400	.25	.25	.35
550 cond.ft. 3-in. fibre conduits	.40	.40	.40
2,200 ton steel—riveted	125.00	131.00	148.00
4-ton architectural steel and iron	350.00	500.00	400.00
550 sq.ft. sliding doors, steel panels	7.00	5.50	6.50
2 counterbalanced emergency exit covers	400.00	550.00	500.00
2,800 ton steel beams and shapes	125.00	131.00	148.00
320 ton steel rods and bars	100.00	110.00	100.00
20 ton miscellaneous iron castings	250.00	340.00	200.00
6,400 lb. special wire forms	.25	.25	.20
4,100 lin ft. wood handrail	.50	1.00	.50
5,200 sq.ft. steel gratings for ventilation	6.00	3.30	4.50
100 sq ft. vault lights	3.50	3.00	4.00
7,600 sq.yd. sidewalk restoration	3.00	4.00	3.00
17,300 sq.yd. street repavement—asphalt	4.50	6.50	5.00
10 lin.ft. 6-in. bluestone curb	2.50	5.00	4.20
100 lin.ft. 8-in. granite curb	6.00	6.00	5.00
60 sq.yd. upper 3-in. concrete walks	2.50	3.50	2.50
1,450 sq.yd. park surface restoration	3.00	4.00	2.00
12,000 lin.ft. electric conduit, ½-in.	.35	.50	.40
50 lin.ft. electric conduit, 1¼-in.	.50	1.00	.60
11,000 lin.ft. electric conduit, 1-in.	.45	.60	.50
1,100 4 x 4 x 3 in. C. I. outlet boxes	1.50	3.50	2.25

	A	B	C
10 6 x 6 x 4 in. C. I. pull boxes	8.00	10.00	6.00
110 lin.ft. 6-in. E. H. C. I. pipe	3.00	4.50	2.50
25 lin.ft. 3-in. E. H. C. I. pipe	2.00	2.40	1.15
10 lin.ft. 4-in. E. H. C. I. pipe	2.00	3.50	1.60
100 lin.ft. 8-in. E. H. C. I. pipe	3.25	6.00	3.50
100 lin.ft. 12-in. vitrified pipe sewer	5.00	5.00	6.00
700 lin.ft. 15-in. vitrified pipe sewer	6.00	6.00	7.00
200 lin.ft. 18-in vitrified pipe sewer	7.50	7.00	8.00
100 lin.ft. 22-in. vitrified pipe sewer	9.00	8.00	9.30
230 lin.ft. 24-in. vitrified pipe sewer	10.00	9.00	10.00
175 ton C. I. sewer pipe (straight)	160.00	180.00	120.00
25 ton C. I. sewer pipe (special)	240.00	220.00	240.00
2,000 lin.ft. 3 ft. 6 in. x 2 ft. 4 in. flat top R. C. sewers	16.00	25.00	20.00
100 lin.ft. 3 ft. 9 in. x 2 ft. 4 in. flat top R. C. sewers	18.00	28.00	25.00
25 lin.ft. 5 ft. 6 in. x 4 ft. 10 in. flat top R. C. sewers	24.00	46.00	40.00
2 24-in. circular sluice gates	200.00	550.00	750.00
200 lin.ft. electric R.R. (underground trolley)	15.00	25.00	20.00
850 lin.ft. electric R.R. (storage battery)	5.00	12.00	6.00
400 lin.ft. 6-in. water pipe	1.50	2.30	2.25
400 lin.ft. 12-in. water pipe	3.00	4.50	4.00
150 lin.ft. 20-in. water pipe	4.50	12.00	6.75
200 lin.ft. 48-in. water pipe	10.50	17.00	22.00
10 service connections for water pipes	35.00	60.00	50.00
100 lin.ft. 4-in. C. I. gas pipe	1.75	1.20	2.00
100 lin.ft. 6-in. C. I. gas pipe	2.00	2.20	2.25
100 lin.ft. 8-in. C. I. gas pipe	3.00	2.80	3.00
100 lin.ft. 10-in. C. I. gas pipe	3.25	3.30	3.50
100 lin.ft. 12-in. C. I. gas pipe	3.50	4.30	4.00
100 lin.ft. 16-in. C. I. gas pipe	4.00	5.50	5.50
500 lin.ft. 20-in. C. I. gas pipe	5.00	6.50	6.75
50 lin.ft. 30-in. C. I. gas pipe	7.50	11.00	11.00
50 lin.ft. 36-in. C. I. gas pipe	8.50	13.00	14.00
50 lin.ft. 48-in. C. I. gas pipe	12.00	16.00	22.00
1,700 lin.ft. 6-in. steel by-passing pipe	7.00	5.50	6.00
700 lin.ft. 8-in. steel by-passing pipe	9.00	7.00	7.50
2,400 lin.ft. 12-in. steel by-passing pipe	15.00	9.00	12.00
100 lin.ft. 16-in. steel by-passing pipe	16.00	13.00	17.50
50 lin.ft. 20-in. steel by-passing pipe	18.00	16.00	25.00
30 lin.ft. 24-in. steel by-passing pipe	20.00	21.00	30.00
40 lin.ft. 30-in. steel by-passing pipe	25.00	27.00	37.50
60 lin.ft. 36-in. steel by-passing pipe	30.00	27.00	45.00
30 lin.ft. 48-in. steel by-passing pipe	40.00	33.00	55.00
200 lin.ft. 12-in. steel by-passing pipe (overhead)	15.00	12.00	12.00
60 lin.ft. 16-in. steel by-passing pipe (overhead)	16.00	14.00	15.00
600 lin.ft. 20-in. steel by-passing pipe (overhead)	17.00	17.00	17.50
650 lin.ft. 24-in. steel by-passing pipe (overhead)	18.00	22.00	30.00
250 lin.ft. 30-in. steel by-passing pipe (overhead)	20.00	27.00	37.50
700 lin.ft. 36-in. steel by-passing pipe (overhead)	25.00	27.00	45.00
250 lin.ft. 48-in. steel by-passing pipe (overhead)	30.00	35.00	55.00
1,000 lin.ft. trestle	8.00	12.00	10.00
600 lin.ft. cable suspension for pipe over 16 in.	14.50	12.00	8.00
200 lin.ft. cable suspension for pipe 16 in. or less	10.00	12.00	7.00
10 service connection for gas pipe	40.00	60.00	50.00
40 ton new C. I. pipe—straight	125.00	110.00	120.00
5 ton new C. I. pipe—special	250.00	160.00	240.00
900 lin.ft. 8-in. mail tubes	7.50	2.50	8.00
150 lin.ft. 8-in. new mail tubes—straight	7.50	5.00	10.00
50 lin.ft. 8-in. new mail tubes—curved	7.50	10.00	12.00
27,000 duct ft. electric ducts and conduits (V.C.)	.40	.60	.45
100 lin.ft. 2½-in. electric ducts and conduits (steel)	.75	1.00	.60
100 lin.ft. 3-in. electric ducts and conduits (steel)	.80	1.25	.80
100 lin.ft. 3½-in. electric ducts and conduits (steel)	1.00	1.50	1.00
100 lin.ft. 2-in. electric ducts and conduits (steel)	.50	1.00	.50
10 service connection for electric ducts	50.00	60.00	25.00
100 lin.ft. electric ducts and conduits (wood) 3-in	.50	1.00	.60
100 lin.ft. electric ducts and conduits (fibre) 3-in	.50	1.00	.50
5 service boxes	80.00	100.00	125.00
5 junction boxes	240.00	250.00	250.00
5 junction boxes, additional	360.00	500.00	300.00
Extended totals	$4,689,775	$5,248,575	$5,276,051

Buildings—Commercial (Continued)

archt. and engr., 36 West 44th St., having plans prepared 19 story, 100 x 200 ft., brick, steel and stone, plain foundation, 7th Ave. between 50th and 51st Sts. $2,000,000.

N. Y., New York—Storage—F. G. Shattuck, 60 West 23rd St., soon takes bids rein.-con., brick and steel, plain foundation, 43 West 62nd St. $250,000. R. G. Cory, 30 Church St., archt. and engr.

N. Y., New York—Theatre—University Financing Corp., c/o T. W. Lamb, archt., 644 8th Ave., having plans prepared 2 story, brick, steel and stone, plain foundation, 170th St. and Jerome Ave. $500,000.

N. J., Audubon — Church — Logan Memorial Presbyterian Church plans new church. $150,000. G. Kane, pastor. Engineer and architect not selected.

N. J., Camden — Office — E. R. Solomn, Inc., plans 10 story office building, 6th and Cooper Sts. Engineer and architect not selected.

Pa., Altoona—City Hall—W. J. Hamor, city clk., takes bids sometime in March, 3 story and basement, 120 x 120 ft., brick and steel, 13th Ave. $300,000. Hersh & Shollar, Commerce Bldg., archts.

Pa., Dormont—Apartment—R. Cipriano, 228 Academy Ave., Mt. Lebanon, having plans prepared by J. A. Long, Citizens Bank Bldg., Pittsburgh, 3 story and basement, L shaped, brick and hollow tile, West Liberty Ave. $150,000.

Pa., Reading—Apartment—W. A. Rigg, Colonial Trust Bldg., takes bids about Mar. 15, 4 story and basement, 60 x 220 ft., brick and steel apartment plain foundation. $350,000. F. Muhlenberg, Ganster Bldg., archt.

Pa., Williamsport—Theatre and Office—Chamberlain Amusement Co., Shamokin, having plans prepared by W. H. Lee, 1505 Race St., Phila., 3 story and basement, 100 x 165 ft., brick and steel, plain foundation.

D. C., Wash.—Embassy—Great Britain plans embassy building, Massachusetts Ave. near Observatory Circle, here. $500,000. F. H. Brooks, 1218 Connecticut Ave. N. W., associated archt. Architect at Supervisors Office, London, England.

D. C., Wash.—Office—Wardman Constr. Co., 1430 K St., having plans prepared by Wardman & Waggaman, 1430 K St. N. W., office building, 1300 Connecticut Ave. $1,000,000.

N. C., Apex—Hotel, etc.—Pinecrest Hotel Corp., Inc., Apex, having preliminary plans prepared resort hotel, incl. hunting lodge, swimming pools, golf and polo grounds, lakes, driveways, etc. $3,000,000. Hoysradt Eng. Corp., 342 Madison Ave., New York City, interested.

N. C., Asheville — Store, etc. — E. W. Grove, plans 174 x 394 ft. building, incl. 8 story 60 x 60 ft. central tower, fitted as bed rooms with cafe and roof garden, also 8 two story store buildings, terra cotta and white stone. $1,200,000. Engineer and architect not announced.

N. C., Greensboro — Hotel — Greensboro Bank & Trust Co., making plans 15 story and basement, 72 x 150 ft. hotel, on site of Ohpheum Theatre, recently burned. $900,000.

Fla., Jacksonville—Bank—Barnett Natl. Bank, 101 West Forsythe St., having plans prepared by Mowbrey & Uffinger, 221 West 57th St., New York City, 105 x 105 ft. bank, Laura and Adams St. $1,500,000.

Fla., Jacksonville — Church — Main St. Baptist Church, W. L. C. Mahon, pastor, 306 East 6th St., having plans prepared by J. S. Green, Jacksonville, 100 x 125 ft. church, 8th and Main Sts. $200,000.

Fla., Jacksonville — Commercial and Church—First Baptist Church, Church and Hogan Sts., plans 12 story commercial and church building, Church and Hogan Sts. L. G. Broughton, pastor.

Fla., Miami Beach — Hotel — N. B. T. Roney, had plans prepared by L. Schultz of Schultz & Weaver, 17 East 49th St., New York City, "Roney Hotel," 400 ft. frontage, Ocean Dr., 23d and 24th Sts., $1,600,000.

Fla., Tampa—Hospital—Election March 17, $1,000,000 bonds for municipal hospital. W. E. Duncan, city clk.

Fla., Tampa—Office—A. J. Sims & Associates, Citizens Exch. Bldg., plan 105 x 210 ft. office building, Florida and Cass Sts. $250,000.

Fla., Tampa—Office and Theatre—Strand Amusement Co., W. B. Gray, pres., 101 Memorial Highway plans 15 story, office and theatre building, Franklin and Park Sts. $600,000. H. S. Hampton, 1014 Citizens Bank Bldg., secy.

La., Baton Rouge—Church—First Presbyterian Church had plans prepared by Spencer & Phillips, Memphis, Tenn., brick, stone and terra cotta church. $175,000.

La., Monroe—Exchange—Southern Bell Telephone Co., 78 South Pryor St., Atlanta, Ga., having preliminary plans prepared 2 story and basement, 70 x 100 ft., rein.-con., brick and stone, Catalpa and Grammont Sts., here. $200,000. Private plans.

Tenn., Bristol — School — Election soon $162,000 bonds for school. Engineer and architect not selected.

Tenn., Knoxville — Church — Lonsdale Baptist Church, W. A. Atchley, pastor, 122 Connecticut Ave., plans 140 x 142 ft., rein.-con. and brick, Bragg and Connecticut Aves. $150,000.

Tenn., Memphis—Hotel—Forest Park Hotel Co., F. Callahan, pres., Fidelity Bank Bldg., having plans prepared by L. G. Carlisle, Falls Bldg., remodeling Lucy Brinkley Hospital into 6 story, 100 room hotel, Dunlap St. and Union Ave. $200,000-$275,000.

O., Canton—School—Bd. Educ., plans 2 story and basement, 8 room school, 3rd St. and Ralf Rd. $150,000.

O., Cleveland—Auditorium—City, W. R. Hopkins, mgr., City Hall, plans 1 story, brick, concrete, steel and stone 2 wing addition to Public Auditorium, East 6th St. $2,000,000. Engineer and architect not selected.

O., Cleveland—Commercial and Hotel—Owner, c/o C. H. Kleinman, 1237 East 102nd St., plans 3 story 80 x 125 ft., brick, steel and concrete, East 18th St. $600,000. Engineer and architects names withheld.

O., Cleveland—Hotel—Cleveland Columbian Building Co., W. J. Birmingham, pres., 1119 Superior Ave., having sketches made by M. C. Rousseau, 415 Bulkley Bldg., 10 story and basement, brick, steel and concrete, 2612 Prospect Ave. $400,000.

O., Columbus — Hotel — H. M. Fuch, Worthington, having plans prepared by R. Sims, Grand Theatre Bldg., 7 story and basement, 62x133 ft., rein.-con., brick and steel, Town and Pearl Sts., $350,000.

O., Dayton—Apartment—W. L. Wirsching, 265 West Herman Ave., plans 10 story, 70 x 125 ft., rein.-con. and brick, plain foundation, Herman St. $150,000. Engineer and architect not selected.

O., Steubenville—High School—Bd. Educ., R. McGlane, clk., having plans prepared by W. C. Findt, 38 New Zimmerman Bldg., Springfield, Junior High School, 3 story, brick and concrete. $350,000.

O., Euclid—School—Holy Cross Roman Catholic Church, T. A. Kirby, pastor, 2266 South Overlook Rd., Cleveland, having sketches made by Koehl & diNardo, 1720 Euclid Ave., Cleveland, 2 story, brick, steel and concrete, Lak eShore Blvd., here. $150,000. Noted Dec. 25.

O., Luckey—School—Bd. Educ., E. R. Christen, clk., having plans prepared by B. Stewart, Bowling Green, 2 story and basement, 100x131 ft., rein.-con. and brick, $175,000.

Mich., Dearborn — Theatre — Dearborn Amusement Co., R. D. Brown, c/o A. M. Hull, archt., 1205 Detroit S vings Bank Bldg., having plans prepared 3 story and basement, 100 x 120 ft., rein.-con., brick, steel and stone, plain foundation, Oakwood Blvd. $200,000.

Mich., Dearborn—Theatre and Recreation—Ford Temple Theatre Co. c/o Stahl & Kinsey, archts., 628 McKerchey Bldg., having plans prepared 2 story and part basement, rein.-con., brick and steel, plain foundation, Michigan Ave. $200,000.

Buildings—Commercial (Continued)

Mich., Detroit — Apartment — Chippewa Apartment Co., 1130 Parker Ave., having plans prepared by Janke, Venman & Krecke, 612 Bway. Central Bldg., 11 story and basement, rein.-con., brick and steel, plain foundation, Parker and Agnes Aves. $350,000.

Mich., Birmingham—School—Bd. Educ. having plans prepared by F. D. Madison, 209 First State Bank, Royal Oak, 2 story and basement, 18 room, rein.-con., brick and steel addition to Adams School, plain foundation. $270,000.

Mich., Detroit—Apartment—S. Katz, 5405 3rd St., having plans prepared by W. Hamacher, 916 Kresge Bldg., 4 story and basement, 87 x 143 ft., brick, steel and stone, plain foundation, Linwood Ave. $250,000.

Mich., Detroit—Apartment—Van Leyen, Schilling & Keough, archts., 3440 Cass Ave., preparing plans 4 story and basement, 90 x 180 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. $200,000.

Mich., Detroit — Church and Parish House—Christ English Luthern Church, c/o G. D. Mason & Co., archts., 80 Griswold St., having plans prepared 2 story and basement, 41 x 118 ft. and 45 x 60 ft., brick, steel and stone, plain foundation, 3rd St. and Philadelphia Ave. $150,000.

Mich. Detroit—School—Bd. Educ., 1354 Bway. Ave., having plans prepared by McGrath & Page, 2231 Park Ave., 2 story and part basement, 100 x 145 ft., rein.-con., brick and steel, plain foundation, Plymouth Rd. and Livernois Ave. $200,000.

Mich., Roseville (Detroit P. O.)—School—Bd. Educ. having plans prepared by Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, 2 story and basement, 12 room, rein.-con., brick and steel, plain foundation, $150,000.

Ill., Kankakee—High School—Bd. Educ., E. A. Jeffers, pres., 830 South Main St., takes bids in April, 3 story and basement, concrete, brick and stone high school. $500,000. L. T. W. Steube, 415 Adams Bldg., Danville, archt.

Wis., Chippewa Falls—School—Bd. Educ., c/o W. F. Larrabee, chn. Building Com., having preliminary plans prepared by E. J. Hancock, Lacock Bldg., Eau Claire, 2 story and basement, brick and tile, plain foundation. $150,000.

Wis., Fond du Lac. — High School — Bd. Educ., c/o J. Hohenesee, secy., rejected bids Feb. 4, 2 story and basement, brick and tile additions to Roosevelt Junior and Fond du Lac High Schools. $200,000 each. Noted Feb. 12.

Wis., Hubertus — Church — Carmelite Fathers, c/o C. Baumeister, P. O. Box 72, Route 1, having plans prepared by H. J. Gaul, 228 East Superior St., Chicago, Ill., 2 story, brick and stone, plain foundation, Holy Hill. $175,000.

Wis., Kenosha—School—Vocational School Bd., c/o F. E. Randall, dir., having plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., 2 story and basement, brick, concrete and tile, plain foundation. $200,000.

Wis., Madison—Dormitory—University of Wisconsin, J. D. Phillips, mgr., having sketches made by A. Peabody, State Capitol, 3 and 4 story, brick, steel and stone dormitory for men, plain foundation. $900,000.

Wis., Madison—Garage, etc.—Fox Motor Sales Co., 105-11 East Doty St., plans 4 story, 130 x 200 ft., brick, concrete and steel garage and repair shop, plain foundation, Broom St. Engineer and architect not selected.

Wis., Madison—High School—Bd. Educ., c/o H. C. Buser, city clk., City Hall, plans West Side High School, 3 or 4 story, concrete, brick and steel, plain foundation, Regent St. $350,000. Engineer and architect not selected.

Wis., Madison—Hotel—Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee, having preliminary plans prepared by M. Tullgren & Sons, 425 East Water St., Milwaukee, 10 story and basement, brick and concrete, addition to Hotel Loraine, plain foundation. $300,000.

Wis., Marshfield — Schools — School Dist. No. 1, c/o M. Hansen, clk., having preliminary plans prepared by Parkinson & Dockendorff, Linker Bldg., La Crosse, 2 story and basement, brick and tile addition to Vocational and Junior High Schools, plain foundations. $150,000.

Wis., Milwaukee — Apartment — Delta Realty Co., c/o W. J. Kozick, archt., 664 24th St. having plans prepared 4 story and basement, brick, tile and concrete, plain foundation, 15th St. $160,000.

Wis., Milwaukee — Apartment — Grand Manor Building Corp., c/o M. Miller, 216 West Water St., having plans prepared by M. Tullgren & Sons, 425 East Water St., 8 story and basement, 102 x 200 ft., brick and concrete, plain foundation, Grand Ave. $500,000.

Wis., Milwaukee — Apartment — A. C. Runzler, archt., 144 Oneida St., preparing plans 3 story and basement, 50 x 132 ft., brick and tile, plain foundation, Royall Pl. $150,000. Owner's name withheld.

Wis., Milwaukee—Church, etc.—St. Sebastian Congregation, c/o J. Schiltz, 595 54th St., having plans prepared by Backes & Uthus, 216 West Water St., 2 story, brick and stone church, addition to school and central heating plant, plain foundation, Washington Blvd. $300,000.

Wis., Milwaukee—High School—Sisters of Notre Dame, 676 Milwaukee St., having preliminary plans prepared by A. E. Muth, 610 Sycamore St., 3 story and basement, 97 x 200 ft., brick and concrete, plain foundation, Hawley Rd. $300,000.

Wis., Milwaukee—Hotel—Hotel Astor Co., Juneau Ave. and Marshall St., having new plans prepared by M. Tullgren & Sons, 425 East Water St., 8 story and basement, 120 x 122 ft., brick, terra cotta and concrete addition, plain foundation, Juneau Ave. $750,000. Noted Dec. 25.

Wis., Milwaukee—Hotel—M. Tulgren & Sons, archts., 425 East Water St., take bids about Feb. 23, 8 story and basement, 62 x 100 ft., brick and concrete, plain and wood pile foundation, 5th and Sycamore Sts., for O. Brachman, 530 Grand Ave. $350,000.

Wis., Milwaukee — School — St. Thomas Aquinas Congregation, c/o E. J. Blackwell, 676 36th St., plans 2 story and basement, brick and tile, plain foundation, 35th St., $150,000. Engineer and architect not selected.

Wis., Milwaukee — Theatre, etc. — R. B. Williamson & Co., archts., 508 Bway., takes bids about Feb. 26, 2 story and basement, 160 x 180 ft., brick, concrete and terra cotta, plain foundation, Kinnickinnic Ave. $300,000. Owner's name withheld.

Wis., Milwaukee—Theatre and Business—Mal Investment Co., 376 East Water St., having plans prepared by Dick & Bauer, 811 State St., 2 story and basement, 102 x 200 ft., and 86 x 88 ft., brick and concrete, plain foundation, 27th and Wells Sts. $500,000. Noted Nov. 13.

Wis., North Milwaukee — Theatre and Business—M. Brumm, c/o Princess Theatre, having plans prepared by E. A. Meyer, 2703 Lisbon Ave., Milwaukee, 2 story and basement, 92 x 120 ft., brick and tile, plain foundation, Villard Ave. $175,000.

Wis., Waukesha—Bath Houses—Waukesha Moor Baths, Prospect Ave., having preliminary plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., Milwaukee, 2 story and basement, brick and concrete additional unit to bath houses, plain foundation. $150,000.

Wis., Wauwatosa — High School — Bd. Educ., R. Baird, pres., having preliminary plans prepared by Herbst & Kuenzli, 130 Grand Ave., Milwaukee, 2 story and basement, brick and tile addition, plain foundation, Wauwatosa Ave. $150,000.

Wis., Racine—Apartment—F. K. Bull, 119 11th St., having plans prepared by J. M. Matson, Baker Blk., 3 story and basement, brick and tile, plain foundation, Wisconsin Ave. $150,000.

Wis., Racine—Mausoleum—E. M. Evans, c/o S. Lovell, archt., 224 East Ontario St., Chicago, Ill., making plans 2 story, 50 x 100 ft., stone steel and marble mausoleum in Mound Cemetery. $200,000.

Ia., Cedar Rapids — Bank and Office — Merchants Natl. Bank, 3rd Ave. and South 3rd St., takes bids in April, 12 story and basement, 76 x 140 ft., rein.-con., brick, steel and stone, 2nd Ave. and South 3rd St. E., $1,000,000. Weary & Alford, 1923 Calumet Ave., Chicago, archts. Noted Jan. 15.

Ia., Des Moines—College—Des Moines University, Highland Park, making preliminary plans rein.-con., brick and stone building. $200,000. Engineer and architect not selected.

Ia., Sioux City—Terminal—Illinois Central R.R. Co., Central Station, Chicago, Ill., soon takes bids 1 and 2 story, concrete, brick and steel, freight and passenger terminal, Clark St., here. $599,500. F. L. Thompson, ch. engr. Private plans.

Minn., Minneapolis—Hotel—Dayton Co., c/o G. D. Dayton, 7th St. and Nicollett Ave., and M. T. Baker, 517 Marquette Ave., having plans prepared by Larson & McLaren, 816 2nd Ave. S., 12 story and basement, rein.-con., brick and stone, 8th St. and Marquette Ave. $1,000,000.

Minn., Minneapolis—Office—Dayton Co., c/o G. D. Dayton, 7th St. and Nicollet Ave., and M. T. Baker, 517 Marquette Ave., having plans prepared by Larson & McLaren, 816 2nd Ave. S., 12 story and basement, 100 x 165 ft., rein.-con. and terra cotta, 7th St. and Marquette Ave. $1,000,000.

Minn., St. Paul—Apartment—M. L. Gotforld, Kansas City, Mo., having plans prepared by K. B. Worthen, 648 Endicott Bldg., 2 story and basement, brick and stone, West River Blvd., here. $225,000.

Neb., Grand Island—School—Bd. Educ., c/o S. E. Sinke, secy., having plans prepared by Kirschke & Baker, 3 story and basement, 240 x 250 ft. central school. $450,000.

Neb., Lincoln—Hotel—Eppley Hotel Co., Fontenelle Hotel, Omaha, plans remodeling Lincoln Hotel, here. $400,000.

Mo., Jefferson City — Reformatory — Missouri Penitentiary making preliminary plans 3 story, brick, concrete and stone intermediate reformatory. $150,000.

Mo., Kansas City—Office—G. A. Breen & Co., 11th Floor Coca Cola Bldg., soon takes bids 3 story and basement, 70 x 115 ft., brick, rein.-con. and terra cotta, Grand Ave. H. A. Noble, 719 Pioneer Trust Bldg., engr. Archer & Gloyd, 916 Pioneer Trust Bldg., archts.

Mo., St. Louis — Apartment — Anderson, Stoke & Buermann, 808 Chestnut St., soon takes bids 3 story and basement, rein.-con., brick and stone, Cabanne St. and Hamilton Ave. $150,000. O. J. Popp, 1500 Arcade Bldg., archt.

Ark., Hot Springs — Infirmary — St. Josephs Infirmary having plans prepared by Sanders & Ginnochic, Hall Bldg., Little Rock, and takes bids about March 1, 4 story and basement infirmary. Noted April 10.

Tex., Childress—High School—Bd. Educ., c/o Secretary, making plans high school. $150,000 or more bonds available. Engineer and architect not selected.

Tex., Dallas—Warehouse—Hotel Davis, Amer. Exch. Natl. Bank Bldg., plans 3 story, 125 x 150 ft. warehouse, along Santa Fe R.R. tracks. $225,000. S. W. Carrington, Melba Theatre, engr.

Tex., Greenville—Store—W. R. Ragsdale, archt., West Lee St., soon takes bids rebuilding 2 story and basement, 100 x 162 ft., rein.-con. and brick, plain foundation, Stonewall St., recently destroyed by fire, for C. B. Jones and S. M. Kennedy. $150,000.

Tex., Houston—Hotel—J. Finger, archt., 711 Keystone Bldg., soon takes bids 10 story and basement, brick, stone, steel and rein.-con., plain and concrete pile foundation, Texas Ave., for N. P. Naman, 612 2nd Natl. Bank Bldg. $1,500,000.

Tex., Houston—Office—Fidelity Trust Co., 808 Main St., plans 12 story and basement, 75 x 100 ft., brick and steel, plain foundation, Main St. $800,000. W. W. Moore, pres. Engineer and architect not selected.

Tex., Houston — Office — R. S. Sterling, Humble Bldg., having plans prepared by Sanguinett, Staats & Hedrick, archts., 1st Natl. Bldg., Ft. Worth, 22 story and basement, 120 x 125 ft., rein.-con., stone and steel, Texas and Fannin Sts. $2,000,000. M. J. Sullivan, Carter Bldg., engr.

Tex., Houston — Theatre — A. C. Finn, archt., 505 Bankers Mortgage Bldg., soon takes bids 6 story, brick and steel, plain and concrete pile foundation, for J. H. Jones & Co., 200 Bankers Mortgage Bldg. $600,000. M. J. Sullivan, 737 Bankers Mortgage Bldg., engr. Noted Feb. 5.

Tex., Lubbock—Hotel—Sanguinett, Staats & Hedrick, archts., 1st Natl. Bldg., Ft. Worth, soon take bids 6 story and basement, 72 x 120 ft. hotel, stores, etc., here, for R. W. Blair, Lubbock. $300,000.

Tex., Midland—High School—City having plans prepared by D. S. Castle & Co., Abilene, 3 story and part basement, 120 x 150 ft., rein.-con., brick and tile, plain foundation. Election Feb. 24, $150,000 bonds for above project.

Tex., San Antonio—Bank & Office—Commercial Natl. Bank, c/o G. B. Taliafero, pres., takes bids about Apr. 1, 6 story, rein.-con., stone, steel and brick, Travis and St. Marys Sts. $200,000. Phelps & Dewees, 718 Gunter Bldg., archts. Noted Jan. 29.

Tex., San Angelo — Office, etc. — West Texas Utilities Co., having plans prepared 3 story, 135 x 190 ft., brick and rein.-con. office and ice plant, East Beauregard St. $150,000. Engineer and architect not announced.

Tex., Sherman — Administration — E. L. Spurlock, pres. Kidd-Kay College, plans administration building. $150,000. Engineer and architect selected soon.

Buildings—Commercial (Continued)

Tex., Wellington—Hotel—W. A. Renner making preliminary plans 3 story and basement, 50 x 150 ft., brick, plain foundation, Court Sq. $175,000. Engineer and architect not selected.

Okla., Oklahoma City—City Hall—Election Mar. 17, $600,000 bonds for 5 story, 100 x 140 ft., rein.-con., brick and stone city hall. Sorey & Vahlberg, Oklahoma City, archts. Noted Jan. 8.

Colo., Denver—Office—See "Buildings—Industrial."

Calif., Alhambra—Hotel—Interests, c/o B. N. Marriott, Alhambra, plans approximately 150 room, rein.-con., South Garfield Ave. and 1st St. $150,000. Engineer and architect not selected.

Calif., Berkeley—Church—Third Church of Christ Scientist of Berkeley, c/o H. H. Gutterson, archt., 526 Powell St., San Francisco, plans fireproof church. To exceed $150,000.

Calif., Corona—Club—D. Gilkie, 1108 Pacific Southwest Bldg., Long Beach, having plans prepared by W. L. Hawk, 238 East 1st St., Long Beach, 1 and 2 story, approximately 200 x 200 ft., timber and stucco clubhouse. Parkside Country Club, lessee.

Calif., Fresno — Store and Office — E. Kehrlein, Jr., 1023 Weldon Ave., plans store and office building, 125 ft. front, fireproof, vicinity of Merced and Tuolumne Sts.

Calif., Laguna (Rivera P. O.)—Store and Lodge—F. Aufdenkamp, had plans prepared by J. H. Roberts,, designer, Marine Bank Bldg., Long Beach, 2 story and basement, 50 x 100 ft., rein.-con. store and lodge building.

Calif., Long Beach — Office — W. D. Mitchell, Markwell Bldg., having plans prepared by H. H. Lockridge, 322 Markwell Bldg., 3 story, 135 x 175 ft., fireproof annex. $300,000.

Calif., Long Beach—School—City had plans prepared by W. H. Austin, Pacific Southwest Bldg., 1 and 2 story, rein.-con. school. $400,000 to $450,000.

Calif., Long Beach—Store—W. H. Wise, 115 West Bway., having plans prepared by W. H. Austin, Pacific Southwest Bldg., 3 to 5 story and basement, 75 x 150 ft., Class A, Bway.

Calif., Long Beach — Store, Office and Theatre—W. H. Brayton having plans prepared by Schilling & Schilling, Marine Bank Bldg., 2 story, 80 x 150 ft., brick, Atlantic Ave.

Calif., Los Angeles — Loft — A. S. Theberge, 715 Camden Dr., plans 12 story and basement, rein.-con., Los Angeles St. To exceed $150,000.

Calif., Los Angeles—Office—A. Soiland (interested), 1407 South Hope St., having plans prepared by J. J. Frauenfelder, Story Bldg., 9 story and basement, 50 x 155 ft., rein.-con., Hope St. $750,000.

Calif., Los Angeles—Police Station—City having plans prepared by Dept. of Construction, Exposition Park, 799 West Santa Barbara Ave., 2 story, 100 x 150 ft., brick, Pico St. $150,000.

Calif., Los Angeles — School — Elliott School for Girls, 1303 South Gramercy Pl., having plans prepared by C. H. Kyson, 6034 Hollywood Blvd., 1 and 2 story schools, on 13 acre site near Wilshire Blvd. $400,000.

Calif., Los Angeles—Store and Office—Commercial Building & Finance Corp., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., having plans prepared 1 and 2 story, 180 x 300 ft., brick and steel, La Brea and Santa Monica Blvds.

Calif., Los Angeles—Synagogue—Sinai Congregation having plans prepared by S. T. Norton, 716 South Spring St., 3 story and basement, 120 x 150 ft. synagogue, 4th St. and New Hampshire Ave.

Calif., Redlands—Dormitory—University of Redlands having plans prepared by N. F. Marsh, Bway. Central Bldg., Los Angeles, 3 story and basement, 50 x 175 ft., rein.-con. dormitory, incl. laundry and heating plant.

Calif., San Diego—Hospital—Mercy Hospital, plans fireproof hospital annex. $300,000. Engineer and architect not selected.

Calif., San Francisco—Apartment—M. V. B. McAdam, 43 Sutter St., having plans prepared by C. A. Muessdorffer, Humboldt Bank Bldg., probably rein.-con., Jackson St. near Laguna St. To exceed $150,000.

Calif., San Francisco—Cathedral—Grace Cathedral, 1217 Sacramento St., having plans prepared by L. P. Hobart, Crocker Bldg., (1st unit) fireproof cathedral, on block bounded by California, Taylor, Sacramento and Jones Sts. $1,000,000.

Calif., San Francisco—Hotel—E. Glass & T. Smith, archts., 525 Market St., preparing preliminary plans 3 story and basement, brick and steel, north of Market section. $150,000. Owner's name withheld.

Calif., San Francisco—Hotel—A. Penziner, 750 Taylor St., having plans prepared 6 story and basement, rein.-con., Turk St. $250,000. Private plans.

Calif., San Francisco—Hotel—Interests represented in Canterbury Hotel Co., c/o Weeks & Day, engrs. and archts., 315 Montgomery St., plans 15 story and basement, Class A, Mason and California Sts. $3,000,000-$5,000,000.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by J. Reid, Jr., City Hall, Sherman Elementary School, fireproof, Union St. $150,000 or more.

Calif., San Francisco—Schools—City and San Francisco Co. having plans prepared by J. Reid, Jr., 1st. Natl. Bank Bldg., Hearst-Moulder School 27 room rein.-con., $500,000 or more; also Mission Junior High School, fireproof, $300,000 or more. Noted Oct. 16.

Calif., Santa Monica — Theatre — Santa Monica Community Theatre Guild, T. McCall, (interested), 904 2nd St., plans fireproof theatre. $150,000 or more.

Calif., Sunnyside — School — West Side Union High School Dist. plans election $250,000 bonds for high school. Noted Dec. 11.

Ont., Bracebridge — High School — Bd. Educ. plans 2 story and basement, 8 or 10 room, rein.-con., brick and steel plain foundation. $150,000. Engineer and architect not selected.

Ont., Grimsby—High School—Bd. Educ. having plans prepared by Burden & Gouinlock, 101 King St. W., Toronto, 2 story and basement, 10 room, rein.-con., brick and steel, plain foundation. $150,000.

Ont., Toronto—Clubhouse—Scottish Club of Canada, 99 Yonge St., plans rein.-con., brick and steel clubhouse, plain foundation. $200,000. Engineer and architect not selected.

Ont., Toronto — Hospital — City plans rein.-con., brick and steel hospital, plain foundation. $150,000-$200,000. Engineer and architect not selected.

Ont., Toronto—Offices—Robins Ltd. Kent Bldg., plans 10 story and basement, rein.-con., brick and steel, plain foundation, Bay St. $600,000. Engineer and architect not selected. Noted Oct. 16.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement, 8 or 10 room, rein.-con., brick and steel addition to Bowmore Rd. School, plain foundation. $150,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 story and basement 8 or 10 room, rein.-con., brick and steel addition, plain foundation, North Rosedale Ave. $150,000.

Ont., Toronto—School—Bd. Educ. having plans prepared by C. Dyson, 155 College St., 2 story and basement, 12 rooms, rein.-con., brick and steel addition, plain foundation, Dufferin St. $165,000.

BIDS DESIRED

N. H., Berlin—High School—City Council taking bids Junior High School, 2 story and basement, 112 x 160 ft., brick and stone, plain foundation. To exceed $200,000. T. M. James Co., 3 Park St., Boston, Mass., archt. Noted Feb. 21, 1924.

Mass., Boston—Apartment—L. S. Koufman, 94 Queensbury St., taking bids 8 story and basement, 60 x 100 ft., rein.-con., brick and steel, plain foundation, 1800-2 Commonwealth Ave. $350,000. G. N. Jacobs, 4 Park St., archt. Noted Feb. 12.

Mass., Boston—Storage—Hudson Building Co., c/o Krokyn & Browne, 220 Devonshire St., taking bids 13 story and basement, 130 x 165 ft., rein.-con., brick and steel, plain foundation, Kneeland, Hudson and Tyler Sts. $750,000.

Mass., Hyannis—Fire Station—Hyannis Fire Dept. taking bids 2 story and basement, rein.-con. and brick, plain foundation. $150,000. L. F. Paine, Hyannis, archt. Noted Dec. 4.

Mass., Westfield—Atheneum—Feb. 20, by Town, 2 story and basement, 50 x 150 ft., brick, plain foundation, Court St. $150,000. M. B. Harding, 33 Elm St., archt. Noted Feb. 12.

Conn., Bridgeport—Warehouse—Feb. 25, by Logan Bros., Housatonic Ave., 5 story and basement, 50 x 100 ft., rein.-con. addition, Housatonic Ave. $150,000. Fletcher-Thompson, Inc., Fairfield Ave., archt. Noted Feb. 12.

Conn., Hartford — Garage — Feb. 24, by Buck & Sheldon, Inc., archts., 60 Prospect St., 4 story, 150 x 240 ft., rein.-con., plain foundation, Market St. $400,000. Owner's name withheld.

Conn., Willimantic—Home—Feb. 24, by B. P. O. E. Lodge 1311, 3 story, 60 x 100 ft., brick and stucco, Pleasant St. $150,000. Cudworth & Thompson, Norwich, archt.

N. Y., New York—Hotel and Theatre—Two Hundred Twenty-Four West 49th St. Co., Inc., D. Darrow, pres., c/o H. J. Krapp, archt. and engr., 1650 Bway., will build 15 story, brick, steel and stone, plain foundation, 224 West 49th St. $1,200,000. Work will be done by separate contracts under supervision of architects.

N. Y., Woodhaven (branch Jamaica)—School Mar. 4, by W. H. Gompert, supt. school building, Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 65, 77th St., here, for Bd. Educ., 500 Park Ave., New York City.

N. J., Vineland—Institution—Feb. 26, by State Bd. Institutions and Agencies, 135 West Hanover St., Trenton, colony, recreation and assembly buildings, etc. at Institute for Feeble Minded, here. $375,000. A. B. Mills, state archt.

Pa., Greenville—Theatre—Feb. 21, by W. J. and G. Silverberg, Pittsburgh, and V. A. Rigamount, archt., State Bldg., Pittsburgh, 1 and 2 story theatre. $150,000.

Pa., Johnstown—City Hall—Mar. 20, by M. Z. Smith, city comr., 202 City Hall, 4 story and basement, 75 x 100 ft., brick, steel and concrete, Washington St. $250,000. Hersh & Shollar, Commerce Bldg., Altoona, archts.

Pa., Lancaster—Warehouse—Feb. 28, by E. A. Wilson, archt., 1208 Chestnut St., Phila., 5 story and basement, 120 x 150 ft., brick, plain foundation, here, for Bayuk Cigar Co., Inc. $250,000.

Pa., Millvale—School—Feb. 25, by H. D. Lyon, secy. Bd. School Directors, c/o 3rd Ward School Bldg., Evergreen Ave., 2 story and basement, 100 x 150 ft. school, North Ave. $150,000. F. McCrooks, 541 3rd Ave., Pittsburgh, archt.

Pa., Phila. — Apartment — Feb. 21, by Rosement Constr. Co., c/o G. H. Swanfold, 1317 Weidener Bldg., 4 story and basement, 100 x 147 ft., Pine St. east of 46th St. $400,000. G. B. Johnson, 5413 Media St., archt.

Pa., Phila.—Lodge and Office—Feb. 26, by Central Hall Assn., c/o H. W. Russell, chn., 555 North 17th St., 4 story and basement, 40 x 158 ft., brick and steel, plain foundation, 16th and Oxford Sts. E. A. Wightman, Bankers Trust Bldg., archt.

Pa., Phila. — Office — July 14, by D. B. Bassett, archt., 1520 Locust St., 9 story and basement, 36 x 64 ft., brick and steel, plain foundation, rear 1518-20 Locust St. $150,000. Owners name withheld.

Pa., Pittsburgh — Hospital — Pittsburgh Hospital, Frankstown Ave., taking bids 7 story and basement, 38 x 117 ft. wing addition, Frankstown Ave. and Washington Blvd. $300,000. E. B. Lee, Chamber of Commerce Bldg., archt.

Pa., Pittsburgh — School — Feb. 26, by Church of Annunication, Charles St., and H. Jannsen & E. J. Herchenroeder, archts., Century Bldg., 3 story and basement, 90 x 140 ft. school, Charles St. $500,000.

Pa., Zelionople—School—Feb. 27, by Bd. Educ. and W. G. Eckles & Son, archts., New Castle, 1 and 2 story and basement, 100 x 106 ft., brick on hollow tile addition. $150,000.

Md., Baltimore—Apartment—Feb. 25, by Parker, Thomas & Rice, archts., Union Trust Bldg., 4 or 5 story, brick and steel, plain foundation, 3404 St. Paul St., for Fenway Apartment Co., Union Trust Bldg. $150,000.

Md., Baltimore—School and Gymnasium—March 4, by Bd. Awards, 3 story and basement, 211 x 266 ft., rein.-con. and brick, plain foundation, Fait Ave. and Hudon St. $500,000. Wyatt & Nolting, Keyser Bldg., archts.

O., Cleveland — Commercial and Apartment—F. Margolin, 2496 Derbyshire St., taking bids 4 story and basement, 80 x 90 ft., brick, steel and concrete, 3629 Euclid Ave. $150,000. M. Weis, 617 Union Bldg., archt. Noted March 27.

O., Cleveland—School—F. C. Warner, archt., Hippodrome Bldg., taking bids 2 story and basement, 60 x 140 ft., brick, steel and concrete, West 65th St., for St. Colmans Roman Catholic Church, C. A. Martin, pastor, 2017 West 65th St. $200,000. Noted Jan. 1.

O., Cleveland — Store and Apartment — A. H. Greenwald & S. H. Stecker, 535

Buildings—Commercial (Continued)

Society for Savings Bldg., taking bids 2 story and basement, brick and steel, East 142nd St. and Kinsman Rd. $150,000. N. Peth, Williamson Bldg., archt.

O., Cleveland Heights (Warrensville P. O.)—Apartment—C. Bernstein, Insurance Center Bldg., Cleveland, taking bids 3 story, brick and stucco, Ludlow and Woodland Rds., here. $150,000. A. W. Harris, Discount Bldg., Cleveland, archt.

O., Lancaster—High School—Feb. 25, by Bd. Educ., Fairfield Co., P. H. Snyder, clk., 2 story and basement, 75 x 111 ft., brick and stone high school between Baltimore and Basil, $165,000. Snyder, Babbitt & Mathews, 16 East Broad St., Columbus, archts.

O., Fairview—School—March 6, by Bd. Educ., 2 story and basement, 76 x 168 ft., brick, steel and concrete school. $200,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts. Noted Feb. 5.

O., Zanesville — Mercantile — Apr. 1, by S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 63 x 68 ft., brick and stone, Main and 5th St., here. $150,000-$200,000.

Mich., Detroit—Apartment—C. N. Agree, archt., 1133 Book Bldg., taking bids and opens same about Feb. 25, 10 story and basement, rein.-con., brick and stone, plain foundation, Cass and Kirby Aves., for Belden Building Co. c/o architect.

Minn., Duluth—High School—Feb. 23, by C. A. Bronson, secy. Bd. Educ., 3 story, rein.-con., brick and steel, Grand Ave. between 44th and 46th Sts. $1,000,000. Holstead & Sullivan, 406 Palladio Bldg., archts. and engrs.

Mich., Detroit—Mercantile—Feb. 23, by Western & Ellington, archts., 1507 Stroh Bldg., 3 story and basement, 100 x 100 ft., rein.-con. and brick, plain foundation, West Grand Blvd. for Sillman Estate, c/o architects $150,000. Noted Jan. 8.

Mich., Royal Oak (Detroit P. O.)—School—Feb. 23, by Lane, Davenport & Peterson, archts. 1017 Charlevoix Bldg., Detroit, rein.-con., brick and steel, plain foundation, here, for St. Marys Parish. $175,000. Noted Nov. 27.

Ill., Edwardsville—Sanitarium—Mar. 9, by Bd. Dirs. Madison Co. Tuberculosis Sanitarium, F. Hanke, chn., 2 and 3 story, concrete and brick, south of here. $200,000.

Wis., La Crosse — Home — La Crosse Catholic Diocese, c/o M. F. Pollack, St. Michaels Orphanage, taking bids 3 story and basement, brick and concrete, plain foundation. $150,000. C. I. Krajewski, 321 Bank & Insurance Bldg., Dubuque, Ia., archt.

Wis., Milwaukee — Synagogue — Feb. 25, by H. H. Bruns, archt., 845 26th St., superstructure for 2 and 1 story, 60 x 130 ft., brick, stone and concrete, 11th and Vine Sts., for Congregation Ansche Lebowich, c/o J. Schefrin, 2219 Chestnut St. $150,000.

Wis., Milwaukee—Refectory and Hospital—Feb. 27, by R. Messmer & Bros., archts., 221 Grand Ave., 2 story and basement, 72 x 100 ft., brick and concrete, plain foundation, State St., for Concordia College, 3127 State St. $150,000. Noted Feb. 5.

Kan., Ft. Scott—Memorial—Mar. 2, by City Clerk, 2 story and basement, 120 x 150 ft., concrete, brick and stone memorial auditorium. W. T. Schmitt, 1634 West 10th St., Oklahoma City, archt. Noted Feb. 5.

Mo., St. Louis — Apartments — E. M. Worthington, 324 Belt Ave., will build two 9 story and basement, 60 x 66 ft., brick, concrete and stone, Maryland and Taylor Aves. Work will be done by separate contracts under supervision of owner. T. L. Craven, engr. and W. S. Frank, archt., both Century Bldg., Noted Jan. 8.

Tex., Gonzales—Hotel—Mar. 15, by F. M. Fry, brick and rein.-con. hotel. $150,000. Engineer and architect not announced.

Tex., McAllen — College — H. P. Smith, archt., Natl. Bank of Commerce Bldg., San Antonio, taking bids 3 story E shaped administration building, 1 story, 20 x 40 ft. boiler house and engine room, etc., here, for J. M. Carroll, pres. Carroll College. $300,000. Noted Jan. 29.

Tex., Waco—Church—R. H. Hunt Co., archts., Southwestern Life Bldg., Dallas taking bids 3 story and basement, 120 x 298 ft., terra cotta, rein.-con., brick and stone, here, for Austin Methodist Congregation Church, c/o J. R. Milam, Waco. $250,000.

Colo., Denver — Infirmary — March 1, by Fisher & Fisher, archts., U. S. Natl. Bank Bldg., 3 and 4 story, 60 x 220 ft., rein.-con., brick and terra cotta, infirmary, for Natl. Jewish Home of Comsumptives, Colfax Ave. and Colorado Blvd. $250,000.

Calif., Del Monte—Hotel—L. P. Hobart, archt., Crocker Bldg., and C. Tantau, associated archt., 251 Kearny St., San Francisco, taking bids rein.-con. (Spanish type) hotel, for Del Monte Properties Co., c/o architects. $150,000. Noted Oct. 18.

Calif., Los Angeles—Schools—Feb. 25, by Bd. Educ., Westwood School, La Grange, Overland, Mississippi and Selby Sts., and Harvard Blvd. School at 87th St., both 2 story, 61 x 151 ft., brick and rein.-con., $84,000 each. C. M. Hutchinson, Central Bldg., archt.

BIDS RECEIVED

Calif., Lomita (Los Angeles P. O.) — High School—Los Angeles Bd. Educ., Feb. 6, general contract Narbone High School, 3 story, 70 x 257 ft. administration and classroom building, 1 story, 32 x 84 ft. each manual arts and domestic science buildings, 1 story 70 x 120 ft. auditorium, two story and locker and shower rooms buildings, all rein.-con. and brick, Pomelo St., here, from A. Johnson, 1007 South Grand Ave., Los Angeles, $283,348; heating and ventilating, from Hickman Bros., 471 West 8th St., San Pedro, $33,725. Noted Jan. 29.

CONTRACTS AWARDED

Vt., Bristol—Bank—First Natl. Bank will alter and construct 2 story and basement, brick and steel addition, plain foundation, by day labor. To exceed $150,000. F. L. Austin, 240 College St., Burlington, archt.

Vt., Burlington — Chapel — University of Vermont, brick and stone chapel, plain foundation, to O. S. Nichols, Essex Junction. Archts. est. $500,000. Noted July 17.

Mass., Boston — Office — Shawmut Real Estate Trust, c/o Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., remodeling 6 story and basement, 40 x 140 ft., store and office building, Massachusetts Ave., and Dundee St., to W. H. Whitcomb Constr. Co., 6 Beacon St. Archts. est. $150,000.

Mass., Cambridge (Boston P. O.)—Store—Garfinkle & Barton, 294 Washington St., Boston, will build 2 story and basement, 100 x 100 ft., brick, Lafayette St., by day labor. $150,000. L. G. Brakett & Co., 88 Tremont St., Boston, archts. and engrs.

Mass., Chelsea—Club—Chelsea Knights of Columbus, Bway., remodeling 4 story and basement, brick club house, 220 Bway., to M. J. Fish & Sons, 161 Summer St., Boston. Archts. est. $150,000. Noted Feb. 5.

Mass., Dorchester (Boston P. O.)—Convent—St. Marks Roman Catholic Church, 3 story and basement, rein.-con., brick and stone, plain foundation, Samoset St., to T. O'Connor & Co., 218 Main St., Cambridge. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.)—Store and Apartment—S. Epstein, Stoughton, will build 3 story and basement, rein.-con., brick and stone, plain foundation, Washington and Brent Sts., here, by day labor. $150,000. A. D. Doyle, 27 School St., Boston, archt.

Mass., Fall River—City Hall—City, rein.-con., brick and stone addition, to J. F. Mooney, 207 Granite Block, cost plus percentage basis. Archts. est. to exceed $150,000.

Mass., Jamaica Plain (Boston P. O.)—Apartment—Jamaicaway Realty Co., Inc., c/o Silverman & Browne & Heenan, archts., 51 Cornhill St., Boston, will build 3 story and basement, brick and stone, plain foundation, Jamaicaway, here, by day labor. $150,000.

Mass., Worcester—Fire Alarm and Telephone—Fire Dept., 2 story, brick and limestone, fire alarm and telephone building, Newton Hill, to C. T. Rocheford, 58 Front St. Archts. est. $150,000. Noted Nov. 13.

Mass., Worcester—Office—P. H. Duprey, 390 Main St., 6 story and basement, 35 x 85 ft., Norwich St., to Keefe Bros. Co., 98 Front St. Archts. est. $250,000. Noted Jan. 8.

Mass., Worcester—Store and Office—Lincoln Constr. Co., 20 Pearl St., will build 5 story and basement, brick and steel, plain foundation, Elm St., by day labor. $150,000. McFarland & Laurie, 162 Newbury St., Boston, archt.

R. I., Providence—Hotel—Roger William Realty Co., 50 East 42nd St., New York City, 8 story and basement, rein.-con. and steel, Wayland Ave. and Angell St., to Charter Constr. Co., 50 East 42nd St., New York City.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 207, Fillmore Ave., here to T. A. Clarke, 310 Bedford Ave., $356,300. Noted Feb. 12.

N. Y., New York—Apartment—B. O. Z. Constr. Co., c/o J. J. Breitman, archt. and engr., 1509 Jessup Ave., will build brick, steel and stone, plain foundation, Vyse Ave., by day labor. $150,000.

N. Y., New York — Apartment — Bailey Ave. Building Corp., c/o Ratholz & Golden, archts. and engrs., 311 Lenox Ave., will build 6 story, 92 x 112 ft., brick, steel and stone, plain foundation, Bailey Ave., by day labor. $250,000.

N. Y., New York—Apartment—Coppersmoth Constr. Co., c/o C. Kreymborg & Son, archts. and engrs., 2534 Marion Ave., will build 6 story, 90 x 200 ft., brick, steel and stone, plain foundation, Sheridan Ave., by day labor. $250,000.

N. Y., New York — Apartment — One Hundred Eighty St. Constr. Corp., c/o G. G. Miller, engr., 1482 Bway., will build 6 story, 100 x 115 ft., brick, steel and stone, plain foundation, West 180th St., by day labor. $175,000.

N. Y., New York—Apartment—Sagetta Realty Corp., c/o C. Kreymnorg & Son, archts. and engrs., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Mapes Ave., by day labor. $150,000.

N. Y., New York—Chemistry—Columbia University, Morningside Heights, 12 story and basement chemistry building, to T. O'Reilly & Son, 17 East 49th St. Archts. est. $2,375,000. Noted Nov. 27.

N. Y., New York — Institute — Seamans Church Institute, 25 South St., 16 story, brick, steel and stone addition, plain foundation, South St., to J. Downey & Co., 410 West 34th St. Archts. est. $1,000,000.

N. Y., New York—Loft—I. Lassner, 146 West 35th St., 14 story, brick, steel and stone, plain foundation, 214 West 49th St., to Magoba Constr. Co., 103 Park Ave.

N. Y., New York—Loft—Natanson, Mandelbaum & Levine, 522 5th Ave., 15 story, 100 x 200 ft., brick, steel and stone, plain foundation, Lexington Ave. and 32nd St., to G. Richard Davis Co., 30 East 42nd St.

N. Y., New York—Nurses Home—Ogden Mills Memorial Hospital & Home for Incurables, 3rd Ave. and 182nd St., 3 story, brick, steel and stone, plain foundation, 181st St., to G. Richard Davis & Co., 30 East 42nd St. Archts. est. $300,000.

N. J., Freehold—High School—Bd. Educ., general contract 2 story, 60 x 145 ft. and 2 wings, to J. Check & H. Mark, South River, $186,961; heating and ventilating, to Burns, Lane & Richardson, 16 Paterson St., New Brunswick, $27,000.

N. J., Newark—Store and Office—Permanent Industrial Exposition of Newark, Inc., L. V. Aronsen, pres., 36 Park Pl., 6 story, brick, steel and stone, plain foundation, Broad and Pennington Sts., to Thompson-Starrett So., 250 Park Ave., New York City. Archts. est. $2,000,000.

Pa., Butler — Exchange — Peoples Telephone Co., general contract 3 story and basement, 80 x 100 ft. telephone exchange, Washington St., to Chapman & Graham, 132 Blackstone Ave., Jamestown, N. Y. Archts. est. $150,000.

Pa., Coatesville — Theatre and Office — Grand Plaza Corp., c/o C. S. Adams, archt., 2038 Spruce St., 4 story and basement 110 x 136 x 160 ft., brick and steel, Lincoln Dr., to J. T. Hallahan, 2313 Walnut St., Phila. Archts. est. $500,000.

Pa., Pittsburgh — Hospital — Childrens Hospital, general contract 8 story, basement and sub-basement, De Soto St., to W. T. Grange Constr. Co., Keenan Bldg.; steel, to McClintic Marshall Co., Oliver Bldg. Archts. est. $1,500,000. Noted Sept. 11.

Md., Baltimore — Church and School — F. J. Baldwin, archt., 328 North Charles St., 2 story and basement, 60 x 108 ft., brick, plain foundation, Liberty Heights Ave. and Edgewood Rd., to Frainie Bros. & Haighley, 19 West Franklin St., for Our Lady of Lourdes Church, 3415 Liberty Heights Ave. $150,000. Noted Jan. 15.

N. C., Winston-Salem—City Hall—City, 4 story, 110 x 210 ft., limestone and brick, to North Eastern Constr. Co., Winston-Salem, $451,600.

Miss., Jackson—Store—Kensington Dept. Store, general contract 6 story and basement, 100 x 100 ft., rein.-con. and brick, to Hays & Lewis, Jackson, $157,000. Noted Jan. 15.

La., New Orleans — Garage — Favrot & Livaudais, archts., Hibernia Bank Bldg., 5 story rein.-con. garage, Gravier and Poydras Sts., to G. F. Favrot, Canal Commercial Bldg., for C. S. Williams. $153,500. Noted Jan. 29.

Tenn., Memphis — Warehouse — Jones & Laughlin Steel Corp., Commercial Trust Bldg., Pittsburgh, Pa., 1 story, 120 x 240

Buildings—Commercial (Continued)

ft. warehouse, here, to Austin Co., 16112 Euclid Ave., Cleveland, O. Noted Oct. 23.

Tenn., Nashville—Post Office—Terminal Realty Co., Union Station, 2 story, rein.-con. and brick railway terminal post office, Demonbreun and McGarock Sts., to Rock City Constr. Co., 150 4th Ave. N., $150,000.

O., Canton — Mercantile — H. M. Stegel Realty Co., Canton, 3 story and basement, 66 x 127 ft., brick, steel and concrete to R. G. Witters Constr. Co., 312 3rd St. N. W., $150,000.

O., Canton—Store—Carmichael & Millspaugh Co., archts., 7 East Long St., Columbus, 2 story and basement 33 x 200 ft., brick, steel and concrete, here, to R. G. Witters Co., 312 3rd St., N. W., for W. E. and G. Shaeffer, Canton. Noted Feb. 12.

O., Cleveland—Garage—May Co., N. L. Dauby, vice pres., Euclid Ave., 3 story and basement, 150 x 198 ft., brick and rein.-con., West 2nd St. and Lakeside Ave., to S. W. Emerson Co., Union Bldg. Archts. est. $250,000. Noted Jan. 29.

O., Cleveland—Hospital—St. Alexis Hospital, c/o Sister Superior, Bway. and McBride Ave., 4 story and basement, 50 x 145 ft., brick, steel and concrete, McBride Ave., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $250,000. Noted Feb. 5.

O., Cleveland—Nurses' Home—Lakeside Hospital, c/o M. P. Potter, secy. Building Com., Adelbert Rd., 10 story and basement, 70 x 166 ft., rein.-con., brick and steel, Cummington Rd., to Lundoff-Bicknell Co., B. F. Keith Bldg., Cleveland. Archts. est. $750,000. Noted Dec. 18.

O., Cleveland—Store—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 2 story and basement, 35 x 300 ft., brick, steel and concrete, 5806 Bway., here, to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $150,000. Noted Jan. 22.

Mich., Detroit — Library — P. R. Gray, pres. Pub. Library Comn., 2 story and basement, 75 x 100 ft., rein.-con., brick, steel and stone, plain foundation, Kercheval and Eastlawn Aves., to A. W. Kutsche Co., 333 State St. Archts. est. $150,000. Noted Jan. 8.

Neb., Omaha—Bank and Office—U. S. Natl. Bank, 5 story and basement, 22 x 132 ft., rein.-con., brick and steel 16th and Farnam Sts., to F. P. Gould & Son, 1337 City Natl. Bank Bldg. Archts. est. $250,000. Noted Sept. 18.

Mo., Kansas City — Hotel — Northeast Development Co., 2619 Independence Blvd., 4 story and basement, 50 x 164 ft., brick, rein.-con. and terra cotta, Bway., to G. F. Green, 429 Rialto Bldg.

Mo., Kansas City — Mail Order — Sears-Roebuck & Co., Arthigton and Homan Sts., general contract 2 story and basement, 120 x 322 x 340 ft. L shaped administration building, 9 story and basement, 372 x 440 ft. U shaped merchandise building, train shed 116 ft. wide between wings of merchandise building, here, to B.-W. Constr. Co., 720 Cass St., Chicago, Ill., excavation, to Norton Bros., 239 Railway Exch. Bldg., lumber, to Badge Lumber and Coal Co., 559 Westport St.; steel, to Sheffield Steel Co., Sheffield. Archts est. $4,000,000.

Mo., Kansas City — School—Bd. Educ., general contract 4 story and basement, 101 x 219 ft., brick, rein.-con., and stone, 65th St. and Wornall Rd., to L. Breitag & Son, 3703 Jarboe St., $307,449; heating and ventilating, to Grinnell Heating Co., 615 Pioneer Trust Bldg., $37,894; plumbing and drainage, to D. Hunter Plumbing & Heating Co., 715 East 15th St., $36,026.

Mo., St. Louis—Office—Local Syndicate, 16 story and basement, 62 x 65 ft., rein.-con., brick and terra cotta, 4th and Locust Sts., to Widmer Eng. Co., Laclede Gas Light Bldg.

Tex., Houston—Apartment—C. J. Gerner, 4401 Montrose Ave., 5 story and basement, 110 x 167 ft., rein.-con., tile and stucco, Montrose Blvd., to F. B. Hubbard Constr. Co., 737 Bankers Mortgage Bldg., approximately $500,000.

Wash., Seattle—Garage and Store—Olive Way Building Co., Lyon Bldg., 7 story and basement, 78 x 120 ft. garage and store building, to Sound Constr. & Eng. Co., Lowman Bldg. Archts. est. $175,000.

Wash., Seattle — Hotel — Dorchester Investment Co., Pantages Bldg., 6 story, 100 room, concrete and timber, Pike and Terry Sts., to A. S. Hainsworth, 88 Columbia St. Archts. est. $200,000.

Wash., Seattle—Hotel, Store and Garage—Seattle Leasehold Co., White Bldg., 6 story, 60 x 120 ft., rein.-con. hotel and store building, with 2 story, 55 x 120 ft. concrete garage adjoining, 8th and Union Sts., to H. Pederson, Seattle. Archts. est. $200,000.

Calif., Eureka — School — C. B. Albee, secy. Bd. Educ., general contract for Junior High School, 2 story and part basement, rein.-con., to J. L. McLaughlin, 251 Kearny St., San Francisco, for Eureka Junior High School Dist., approximately $350,000. Noted Jan. 15.

Calif., Fresno—Warehouse—Bekins Van & Storage Co., West Mission St., San Francisco, 7 story and basement, 100 x 150 ft., rein.-con., Monterey St. and Van Ness Ave., to Trewhitt-Shields Co., Pacific Southwest Bldg., $150,000. Noted July 10.

Calif., Los Angeles—Hotel and Store—Business Dist. Development Co., Merchants Natl. Bank Bldg., San Francisco, 6 story and basement, 50 x 215 ft., Class A, Cahuenga Ave., to H. Hinds, 351 South Hoover St. Noted Dec. 4.

Calif., Los Angeles—Theatre, Store and Office—Lazar & Son, 2134 Brooklyn Ave., will build 2 story and basement, 60 x 150 ft., brick, Brooklyn Ave., by day labor.

Calif., Oakland—Apartment—J. K. Calley, 1159 Green St., San Francisco, 4 story and basement, concrete and timber, Grand Ave., to M. C. Ingraham, 165 Fell St., San Francisco, $153,250. Noted Jan. 29.

Calif., Sacramento—Club—L. F. Stark, archt., Oschsner Bldg., masonry and carpentry contract for 14 story, Class A club, 11th and J Sts., to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, for B. P. O. E. $330,000.

Calif., San Jose—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, structural steel work for 6 story and basement, Class "A" annex, Santa Clara St., to Judson Mfg. Co., 604 Mission St., San Francisco, approximately $23,000; general contract, to Monson Bros., 251 Kearny St., San Francisco, $175,000.

Calif., South Pasadena—Theatre—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, 2 story, 90 x 125 ft., brick, Oxley and Fair Oaks Aves., to W. G. Reed, 814 Pacific Southwest Bldg., Long Beach, approximately $165,000. Noted Nov. 13.

Federal Government Work

PROPOSED WORK

Mass., Boston—Storehouse—Treas. Dept., Wash., D. C., plans storehouse and repairs at Quarantine Station, here.

Va., Quantico—Pier Repairs—Spec. 5058—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to pier at Marine Barracks, here.

Mo., St. Louis—Post Office—U. S. Treas. Dept., Wash., D. C., having preliminary plans prepared brick, steel and stone post office, 4th and Chestnut Sts., here.

BIDS DESIRED

R. I., Providence—Dredging—Mar. 20, by U. S. Engineer Office, dredging in Thames River, Conn.; adv. E. N.-R. Feb. 19.

N. Y., Buffalo—Cable—Mar. 9, by Supt. Lighthouses, Buffalo, 17,000 ft. armored submarine cable; adv. E. N.-R. Feb. 19.

Pa., Phila.—Boiler House—Mar. 9, by Quartermaster Depot, 21st St. and Oregon Ave., constructing brick boiler house; adv. E. N.-R. Feb. 19.

O., Kenton—Post Office—Mar. 17, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, here; adv. E. N.-R. Feb. 19.

Tex., Gilmer—Post Office—Mar. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, 60 x 63 ft. post office, here; adv. E. N.-R. Feb. 19.

H. T., Pearl Harbor — Hangars — Spec. 5046—Apr. 8, by Bureau Yards & Docks, Navy Dept., Wash., D. C., hangars, here, and at Coco Solo; adv. E. N.-R. Feb. 19.

BIDS RECEIVED

Mass., Boston—Seawall and Breakwater—Treas. Dept. at office Supervising Archt., Wash., D. C., rebuilding seawall, breakwater dredging and replacing fender piles, here, from Rendle Corp., Chelsea, (1) $4,762 (2) $11,402 (3) alt. $20,462. Noted Jan. 22.

Ala., Tuskegee—Filtration Plant—U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., filtration plant at U. S. Veterans Hospital 91, here, from A. C. Samford, Montgomery, $42,000. Noted Jan. 15.

Ind., Indianapolis — Office, etc. — U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., regional office and dispensary on 7th and 8th floors of test building, here, from E. C. Stratmann, Indianapolis, $14,600.

Virgin Island, St. Thomas—Oil Engine—Spec. 5062—Bureau Yards & Docks, Navy Dept., Wash., D. C., oil engine, here, from St. Marys Oil Engine Co., 1409 North 4th St., St. Charles, Mo., (1) $3,500 (2) $3,000 (3) $25 (4) $15. Noted Jan. 22.

CONTRACTS AWARDED

Mass., Newburyport—Stone—U. S. Engineer, 1703 Custom House, Boston, placing stone in Newburyport jetty, here, to P. H. Doyen Co., South Portland, Me., $2.85 per ton. Noted Jan. 29.

Tex., Galveston — Jetty Repairs — U. S. Engineer Office, Galveston, jetty repairs to north jetty, to Scott & Brass, New Orleans, La., $6.68 for Sects. 1 to 4, and $1.50 for overstones. Noted Jan. 8.

Wash., Puget Sound—Boiler Plant—Spec. 5041—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to boiler plant, here, to Newport Contg. & Eng. Co., Law Bldg., Newport News, Va., $90,197 (180 days), also concrete chimney, here, to Weber Chimney Co., 332 South Michigan Ave., Chicago, Ill., $8,405, (120 days). Noted Jan. 29.

Calif., San Diego—Repairs to Pier—Spec. 5070—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to target pier, here, to Barclay & Schamild, 2350 Columbia St., $3,787.

Unclassified

PROPOSED WORK

Filling Station — Lowell, Mass. — Gulf Refining Co., Frick Annex, Pittsburgh, Pa., plans filling station, Chelmsford St., here. Private plans.

Swimming Pools, etc.—Apex, N. C.—See "Buildings—Commercial."

Underpass—Greensboro, N. C.—State Hy. Comn., Raleigh, making plans grading and constructing underpass under Atlantic & Yadkin R.R. known as State Project 537-C, here. $35,000. C. H. Upham, engr.

Docks—South Jacksonville, Fla.—Election Mar. 4. $25,000 bonds to develop municipal docks. P. C. Marion, chn. city council.

Park, etc.—Titusville, Fla.—Election Mar. 10, $35,000 bonds for park and recreation fields. Address City Commissioners.

Tunnel — Missionary Ridge (mail Chattanooga), **Tenn.** — Hamilton Co. (Chattanooga) making preliminary surveys for tunnel, here. $400,000-$500,000. E. G. Meenell, Court House, Chattanooga, engr.

Grade Separation—Port Huron, Mich.—St. Clair Co., Pere Marquette R.R. and Grand Trunk R.R., County Bldg., making plans steel encased in concrete viaduct with rein.-con. piers and walls, to carry traffic on 24th St. over tracks. F. E. Beard, Port Huron, co. road comr.

Grandstand — West Allis, Wis. — Dept. Agriculture, Capitol, Madison, had revised plans prepared rein.-con. grandstand addition, at State Fair Park. $150,000. A. Peabody, Madison, engr.

Amphitheatre — University City, Mo. — Flint Garrison, et al, 1627 Locust St., St. Louis, having preliminary plans prepared open air theatre, 3,000 seating capacity, Olive St. Rd. and Creve Coeur Lake car line, here. $100,000 up. J. C. Stephens, Chemical Bldg., St. Louis, engr.

Transmission Line—Oklahoma—City of Butler making preliminary plans electric distribution system in Butler and 20 mi. electric transmission line to Clinton. $28,000. Engineer not selected.

Transmission Line—Oklahoma—City of Carter voted $26,000 bonds for 14 mi. electric transmission line to Elk City. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Transmission Line—Oklahoma—City of Hinton making preliminary plans electric transmission line to Geary. $30,000. Engineer not selected.

Stadium—Norman, Okla.—University of Oklahoma takes bids in March, 1 story, 180 x 390 ft., rein.-con., plain foundation, on campus. $150,000. Sorey & Vahlberg, Braniff Bldg., Oklahoma City, archts. Noted Dec. 4.

Athletic Park—Eureka, Calif.—City plans athletic park east of Sequoia Park. $60,000. A. W. Kildale, city clk.

Electrolier System—Fresno, Calif.—Making plans electrolier system on Willis Ave. between Blackstone and Fresno Sts., Platt Ave. between 5th and 12th Sts., 5th, 6th, 7th, 8th, 9th, 10th and 11th Sts. between Platt and Kerchkoff Sts. To exceed $25,000. W. Stranahan, city engr.

Unclassified (Continued)

Tunnel—Long Beach, Calif.—See "Streets and Roads."

Elimination of Grade Crossing — Long Beach, Calif.—City and Pacific Electric Ry., Pacific Electric Bldg., Los Angeles, plan grade crossing under railroad tracks at Pacific Ave. $75,000. R. D. VanAlstine, city engr.

Gas Holder — Los Angeles, Calif. — Los Angeles Gas & Electric Co., 810 South Flower St., made plans gas storage holder, 245 ft. diam., 375 ft. high, Duncommon St. $650,000 or more. Bartlett-Hayward Co., Central Bldg., engrs.

Street Lighting System—Redondo Beach, Calif. — Made plans ornamental street lighting system on South Catalina St. and The Esplanade. To exceed $75,000.

Street Lighting System—San Bernardino, Calif. — Plans ornamental street lighting system on Arrowhead Ave. between 2nd and 13th Sts., and G St. between Rialto and 4th Sts. $90,000-$100,000. C. E. Johnson, city engr.

Street Lighting System—Torrance, Calif. —Plans ornamental street lighting system on Western Ave., Torrence and Carson Sts., etc. To exceed $95,000. J. J. Jessup, city engr.

Transmission Lines, etc.—Ontario—Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, made plans extending transmission lines, addition to generating and substations $12,000,000. F. A. Gaby, ch. engr.

BIDS DESIRED

Asphalt Plant—East Concord, N. Y.—Feb. 21, by Erie Co. Purch. Agt., 76 Exch. St., Buffalo, erecting asphalt plant, and furnishing one 8 ton and one 3 ton asphalt steam rollers, one gasoline caterpillar crane with ⅜ yard bucket and 35 to 40 ft. boom, here.

Fire Sprinklers—Brooklyn, N. Y.—Mar. 11, by State Hospital Comn., Capitol, Albany, automatic fire sprinklers at Brooklyn State Hospital, here; adv. E. N.-R. Feb. 19.

Subway—Phila., Pa.—Mar. 17, by H. E. Ehlers, at office Dept. City Transit, 1211 Chestnut St., 7,184 lin.ft. 4 track subway in Broad St. from Filbert to Stiles Sts.; adv. E. N.-R. Feb. 19.

Heating and Ventilating—Kansas City, Mo.—See "Buildings—Commercial."

Subway—Martinez, Calif.—Mar. 3, by supervs. Contra Costa Co., constructing Christie Crossing subway, steel and concrete, at Santa Fe R.R. tracks in Franklin Corners. To exceed $50,000. R. R. Arnold, Martinez, co. surv. Noted Aug. 14.

Wall—Fraser River, B. C.—Feb. 26, by S. E. O'Brien, minister Dept. Pub. Wks., Ottawa, Ont., brush and sand filled retaining wall, here. $40,000.

BIDS RECEIVED

Pier Shed—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., Feb. 11, pier shed and bulkhead shed for Pier 2, North River, Contr. 1847, from O'Day Constr. Co., 1639 Bway., $406,954. Noted Feb. 5.

Roofing, etc.—New Orleans, La.—Bd. Port Comrs., New Court House, sheet metal work and glazing on Claiborne Ave. shed, from Blattman-Weeser Sheet Metal Wks., 1001 Toulouse St., $28,411; structural steel from Rochester Bridge Co., New Orleans, $33,606; erecting and painting steel, from Lukens Steel Co., 626 South Peters St., $43,865; erecting structural steel, from B. N. Davis, 831 Magazine St., $8,140; roofing shed (1) tar and gravel or tar and slag, (2) asphalt or asphalt and slag (3) asphalt and asbestos or slag, from J. J. Clarke Co., New Orleans, (1) $39,369 (2) $39,419, from Johns-Manville Co., Inc., Magazine and Gravier Sts., (3) $38,591.

Seawall—San Diego, Calif.—See "Excavation, Drainage, Irrigation, Levees."

CONTRACTS AWARDED

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., subway in Washington Heights, Sect. 3, Route 78, to Heyman & Goodman, 140 Wadsworth Ave., $4,857,000; also Sect. 3A, Route 78, to Rosoff Eng. Co., 152 West 42nd St., $4,600,000. Noted Jan. 29 and Feb. 5.

Borings—New York, N. Y.—Bd. Transportation, Municipal Bldg., borings along West Bway., Geenwich, 6th and 8th Aves., East 53rd, Wall, Fulton, Church, Houston and Worth Sts., Agreement "DQ," Manhattan Boro., to Osborne Drilling Co., 120 Liberty St., $53,173; also miscellaneous construction providing sewer and water connections at various locations, Agreement "DO," Bronx Boro., to Fox Reynolds Co., 81 East 125th St., $7,615. Noted Jan. 15.

Landing Platform—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, foot Battery Pl., extending Battery landing platform and berth for baths, Contr. 1846, to A. N. Spooner & Son, Pier 11, North River, $22,811 and $2,320 respectively. Noted Feb. 12.

Grain Elevator — Cedar Grove, La. — Shreveport Mill & Elevator Co., c/o F. Davis, Shreveport, 500,000 bu. grain elevator, rein.-con., Baronne St., to Hansen-Worden Constr. Co., Shreveport, $100,000 plus percentage basis.

Grade Separation—Springwells, Mich.—B. P. Esper, city clk., constructing Schaefer Rd. and Detroit & Ironton Ry. grade separation, to R. A. Mercier, 5435 Wesson Ave., Detroit, $285,000. Noted Feb. 12.

Line Extension — Texas — West Texas Telephone Co., Brownwood, will extend lines from Brownwood to Abilene, Brady, Eden, Goldthwaite and Hamilton, by day labor, $32,000. Private plant.

Lighting System—El Paso, Tex.—Lighting system on Texas St. between Campbell and Piedras Sts., to J. E. Morgan, 319 Texas St., $44,666.

Conduit System—Houston, Tex.—Houston Power & Light Co. will replace poles on Crawford St. with underground conduit system, by day labor. $40,000. Private plans.

Street Lighting System — South Pasadena, Calif.—To A. C. Rice, 1936 Santee St., Los Angeles, ornamental street lighting system in portions of Mission St. and Pasadena Ave. $16,950, East Mission St. $6,990, and Orange Grove Ave. $3,930. Noted Nov. 13.

Pipeline Pontoons—Portland, Ore.—Port Comrs., one hundred and twenty 12 x 26 ft. wooden pontoons, to Portland Ship Building Co., Foot Nebraska St., $38,360.

Boardwalk—Long Beach, Calif.—Constructing board walk on piles, to J. L. Frazer, Kreis Bldg., $27,400. Engrs. est. $26,220. Noted Sept. 4.

Material and Equipment

PROPOSED WORK

Tar—Trenton, N. J.—Mercer Co. plans to purchase tar. $500,000. H. F. Harris, Court House, engr.

Street Sweeper—Palo Alto, Calif.—Plans to purchase 1 motor driven revolving broom (street sweeper). $7,000. J. F. Bxybee, Jr., city engr.

Crusher, Hoist, etc.—San Jose, Calif.—Santa Clara Co. plans to purchase one No. 2 Reduction Tellsmith Crusher, bunker and hoist, caterpillar tractor and road grader. R. Chandler, co. surv.

BIDS DESIRED

Rollers and Crane, etc.—East Concord, N. Y.—See "Unclassified."

Lumber and Piles, etc.—New York, N. Y.—Feb. 25, by J. E. Bowe, comr. Purchase, Municipal Bldg., lumber and piles, steel plates and reinforcing bars, to Dept. Plant & Structures.

Road Roller—Columbia, S. C.—Feb. 24, one 10 ton road roller, steam or motor driven (old roller to be taken in part exchange). W. S. Tomlinson, City Hall, engr.

Dragline Machine — Greenville, Miss. — Mar. 10, by Comrs. Black Bayou D. D., Washington Co., self propelling dragline machine with internal combustion engine, etc. O. C. Kulicka, secy. and treas.; adv. E. N.-R. Feb. 19.

Rock Crusher—Lebanon, Tenn.—Feb. 25, by City, rock crusher with elevator and screen.

Granite Block—Cleveland, O.—Feb. 20, by City, granite block, asphalt filler, asphalt, cement and paving brick. R. Hoffman, City Hall, engr.

Steam Shovels—Columbus, O.—W. S. Harman, Hartman Bldg., in market for 2 large steam shovels.

Grader — Manitowoc, Wis. — Manitowoc Co., c/o J. Connell, highway comr., in market for 3 motor patrol graders.

Road Oil—Marshfield, Wis.—Feb. 23, by J. A. Schindler, city clk., 5 cars with privilege of 2 or more cars 50 to 60% asphalt and alternate on 60 to 65% asphaltic content.

Road Oil—Ripon, Wis.—Feb. 24, by F. A. Preston, city clk., 20,000 gal. No. 5 road oil having 50 to 60% asphaltic content.

Sand and Gravel Equipment — Good Thunder, Minn.—A. W. Darge, in market for sand and gravel equipment.

Cement, etc. — Minneapolis, Minn.—Feb. 23, by F. S. Gram, city purch. agt., 2,000 tons asphaltic cement, 600 tons pitch, and 50,000 gal. refined tar. N. W. Elsberg city, engr.

Oil Distributer — Minneapolis, Minn. — Feb. 26, by F. S. Gram, city purch. agt., one oil distributer mounted on truck.

Tar — Minneapolis, Minn. — Feb. 24, by F. S. Gram, city purch agt., 500,000 gal. refined tar. N. W. Elsberg, city engr.

Tractor — Winona, Minn. — Mar. 3, by City, one 5 ton caterpillar tractor. G. Hoffmann, city clk.

Road Machines, etc. — Grand Forks, N. D. — Mar. 6, by Commissioner, Grand Forks Co., 16 road maintenance machines for either 2 or 4 horses, 6 to 8 ft. blades, weighing from 900 to 16,000 lbs. each. M. O. Haugan, co. aud.

Graders—Jamestown, N. D.—Mar. 3, by A. H. Sherman, aud. Greene Co., one 12 ft. heavy road grader.

Asphalt Cement, etc. — Hamilton, Ont. — Feb. 27, by S. H. Kent, city clk., addressed to T. W. Jutten, mayor, chn. Bd. control, City Hall asphalt cement, broken stone, screenings, limestone dust, asphalt sand, sand and gravel, pipe, etc.; adv. E. N.-R. Feb. 19.

Asphalt, etc.—Ottawa, Ont.—Feb. 24, by Bd. Control, City Hall, asphalt, asphalt filler, brick, c.i. pipe, cement, pig lead, broken stone, sand fuel oil, castings, etc.

Crane—Melbourne, Australia—Apr. 1, by Victorian Government Rys., one 15 ton electric traveling Goliath crane.

BIDS RECEIVED

Asphalt Sand—Brooklyn, N. Y.—J. A. Guider, boro pres., Boro Hall, Feb. 11, 10,000 cu.yd. asphalt sand, from Hygrade Builders Supply Co., 6th St. and 2nd Ave. $12,850; 5,000 cu.yd. paving and concrete sand, from T. E. McCormick, 325 Rutland Rd., $5,725. Noted Feb. 5.

Broken Stone, etc. — Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., Feb. 9, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, 28,000 cu.yd. broken stone and screenings $83,160, 15,000 tons steam ashes $22,950, 6,500 cu.yd. sand grit or broken stone chips of trap rock $15,795, 15,000 tons steam ashes $22,950; from Standard Oil Co., 26 Bway., New York City, 600,000 gal. road oil $36,480, 1,300 tons asphaltic cement $27,300, 350,000 gal. asphaltic macadam binder $25,480; from Warner Quinlan Co., 79 Wall St., New York City, 25,000 gal. asphalt for patching $4,388, 60,000 gal. fuel oil $3,930; from Terminal Supply Co., 25,000 vitr. paving bricks $1,495, 864 ft. 12 in. iron pipe $1,970; from E. E. Buehler, 103 Park Ave., New York City, $50,000 wood paving blocks $2,728; from Hastings Pavement Co., 25 Broad St., New York City, 100,000 asphalt paving blocks, $9,531. Noted Feb. 5.

Sand Grit, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., Feb. 10, from J. W. Farrell, Valentine Ave., 9,000 cu.yd. sand grit, $16,550; from Standard Oil Co., 26 Bway., 1,500 tons asphaltic cement $33,330, 750,000 gal. bituminous road surfacing material $50,250; from P. Solomon, 1358 Brook Ave., 5,000 bags Portland cement $3,425; from Grangers Mfg. Co., Weststock, Mass., $4,865; from Barrett Co., 17 Battery Pl., 150,000 gal. tar for patching $23,850, 300,000 gal. bituminous road material $32,700, 75 tons pitch joint filler $2,063; from J. A. Maloney Co., 1170 Bway., long leaf yellow pine $9,680; from Gallagher Shand, 420 East 105th St., 1,000 cu.yd. concrete and paving sand $1,700; from Calvin Tompkins, 30 Church St., 7,500 cu.yd. binder stone $14,850; from Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, 500 cu.yd. hard coal ashes, $1,370; from Ames Building Material Co., 3441 Kingsbridge Rd., 10,000 cu.yd. steam ashes $16,700; from Z. Mahoney, 557 46th St., Brooklyn, 10,000 cu.yd. asphalt sand, $12,800; from United Sand & Gravel Co., 425 West 216th St., 4,000 cu.yd. 1½ in. waterbound macadam stone, etc. $27,625. Noted Feb. 5.

Sand Grit, etc. — New York, N. Y. — J. Miller, pres. Manhattan Boro., Municipal Bldg., Feb. 16, 2,500 cu.yd. sand grit and 3,000 cu.yd. concrete and paving sand, from Gallagher-Shand Co., 420 East 105th St., $4,125 and $4,500 respectively; 50,000 special 5 in. granite paving blocks, from St. George Granite Co., 90 West St., $7,425; 4,000 cu.yd. coarse aggregate for concrete, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., $8,760; 500 tons asphalt joint filler, from Standard Oil Co., 26 Bway., $12,290; 4,000 tons inorganic dust and 8,000 cu.yd. ¾ in. binder stone, from New York Trap Rock Co., 101 Park Ave. $25,960 and $15,120 respectively; two 5 ton trucks, from Pitts Motors, Inc., $9,920.

CONTRACTS AWARDED

Steel—Pittsburgh, Pa.—See "Buildings—Commercial."

Sand and Gravel—Minneapolis, Minn.—F. S. Gram, city purch. agt., 7,500 cu.yd. sand and 15,000 cu.yd. gravel, to J. Wunder Co., Bway. and K Sts., for Water Dept. Noted Jan. 15.

Lumber and Steel—Kansas City, Mo.—See "Buildings—Commercial."

Gas Tank—St. Louis, Mo.—Laclede Gas Light Co., 1017 Olive St., 2,000,000 cu.ft. steel gas tank, connections, etc., at 141 Park Ave., to Bartlett-Hayward Co., 200 Scott St., Baltimore, Md. Engrs. est. $150,000.